

TDMS No. 96011-06
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
CUMENE
CAS Number: 98-82-8
Pathologist: PIERCE, J. - GRUMBEIN, S.
F1 Mice

Date Report Requested: 02/27/2006
Time Report Requested: 15:32:52
First Dose M/F: 06/11/01 / 06/11/01
Lab: BNW

| | | | |
|-----------------------------|------------------------------|---------------------|--------------------------|
| C Number: | C96011 | | |
| Lock Date: | 12/30/2003 | | |
| Cage Range: | 1 - 9999 | | |
| Date Range: | 1-JAN-1940 to 17-SEP-2040 | | |
| Reasons For Removal: | 25021 Terminal Sacrifice | 25020 Natural Death | 25019 Moribund Sacrifice |
| Removal Date Range: | JAN /1 /1940 - SEP /17 /2040 | | |
| Treatment Groups: | Include 1 CONTROL | Include 2 CONTROL | Include 3 125 PPM |
| | Include 4 250 PPM | Include 5 250 PPM | Include 6 500 PPM |
| | Include 7 500 PPM | Include 8 1000 PPM | |

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SUMMARY OF STATISTICALLY SIGNIFICANT ($P \leq .05$) RESULTS IN THE ANALYSIS OF CUMENE

MALE MICE

Organ

Adrenal Cortex

Eye: Cornea

Heart

Kidney

Liver

Lung: Alveolar Epithelium, Bronchiole

Lung: Bronchiole

Nose

Nose: Olfactory Epithelium

Nose: Olfactory Epithelium, Glands

Nose: Respiratory Epithelium

Skin

Stomach, Forestomach

Stomach, Forestomach: Epithelium

Testes

Thyroid Gland: Follicular Cell

FEMALE MICE

Organ

Adrenal Cortex

Harderian Gland

Heart

Lung: Alveolar Epithelium, Bronchiole

Lung: Alveolus

Lung: Bronchiole

Morphology

Hypertrophy

Inflammation Chronic

Cardiomyopathy

Inflammation Acute

Infarct

Nephropathy

Clear Cell Focus

Eosinophilic Focus

Metaplasia

Hyperplasia

Inflammation

Atrophy

Hyperplasia Atypical

Hyperplasia Basal Cell

Hyperplasia

Metaplasia

Inflammation Chronic

Inflammation

Ulcer

Hyperplasia

Atrophy

Hyperplasia

Morphology

Hypertrophy

Hyperplasia

Cardiomyopathy

Metaplasia

Infiltration Cellular Histiocyte

Hyperplasia

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SUMMARY OF STATISTICALLY SIGNIFICANT ($P \leq .05$) RESULTS IN THE ANALYSIS OF CUMENE

Nose

Nose: Olfactory Epithelium

Nose: Olfactory Epithelium, Glands

Nose: Respiratory Epithelium

Nose: Turbinate

Pancreas

Pituitary Gland: Pars Distalis

Tooth

Trachea

Uterus: Endometrium

Inflammation

Atrophy

Hyperplasia Atypical

Hyperplasia Basal Cell

Hyperplasia

Metaplasia

Necrosis

Atrophy

Hyperplasia

Malformation

Inflammation

Hyperplasia Cystic

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STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
TERMINAL SACRIFICE AT 105 WEEKS

| DOSE | Males | | | |
|------|---------|---------|---------|----------|
| | CONTROL | 250 PPM | 500 PPM | 1000 PPM |

Adrenal Cortex
Hyperplasia

LESION RATES

| | | | | |
|--------------------|-------------|-------------|-------------|------------|
| OVERALL (a) | 14/50 (28%) | 15/50 (30%) | 12/49 (24%) | 8/50 (16%) |
| POLY-3 RATE (b) | 14/47.29 | 15/44.80 | 12/43.98 | 8/40.19 |
| POLY-3 PERCENT (g) | 29.6% | 33.5% | 27.3% | 19.9% |
| TERMINAL (d) | 11/38 (29%) | 13/34 (38%) | 10/30 (33%) | 7/23 (30%) |
| FIRST INCIDENCE | 622 | 678 | 668 | 694 |

STATISTICAL TESTS

| | | | | |
|---------------------|----------|---------|----------|----------|
| LIFE TABLE | P=0.405N | P=0.371 | P=0.534 | P=0.488N |
| POLY 3 | P=0.141N | P=0.430 | P=0.495N | P=0.213N |
| POLY 1.5 | P=0.105N | P=0.458 | P=0.472N | P=0.168N |
| POLY 6 | P=0.197N | P=0.397 | P=0.519N | P=0.281N |
| LOGISTIC REGRESSION | P=0.199N | P=0.426 | P=0.492N | P=0.274N |
| COCH-ARM / FISHERS | P=0.064N | P=0.500 | P=0.433N | P=0.114N |
| ORDER RESTRICTED | P=0.178N | (e) | (e) | (e) |

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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 105 WEEKS**

| DOSE | Males | | | |
|-----------------------------------|-------------|-------------|-------------|------------|
| | CONTROL | 250 PPM | 500 PPM | 1000 PPM |
| Adrenal Cortex Hypertrophy | | | | |
| LESION RATES | | | | |
| OVERALL (a) | 29/50 (58%) | 16/50 (32%) | 14/49 (29%) | 9/50 (18%) |
| POLY-3 RATE (b) | 29/47.54 | 16/45.58 | 14/44.15 | 9/41.25 |
| POLY-3 PERCENT (g) | 61% | 35.1% | 31.7% | 21.8% |
| TERMINAL (d) | 25/38 (66%) | 12/34 (35%) | 10/30 (33%) | 6/23 (26%) |
| FIRST INCIDENCE | 622 | 632 | 664 | 556 |
| STATISTICAL TESTS | | | | |
| LIFE TABLE | P=0.010N** | P=0.029N* | P=0.027N* | P=0.010N** |
| POLY 3 | P<0.001N** | P=0.008N** | P=0.003N** | P<0.001N** |
| POLY 1.5 | P<0.001N** | P=0.008N** | P=0.003N** | P<0.001N** |
| POLY 6 | P<0.001N** | P=0.009N** | P=0.004N** | P<0.001N** |
| LOGISTIC REGRESSION | P<0.001N** | P=0.012N* | P=0.005N** | P<0.001N** |
| COCH-ARM / FISHERS | P<0.001N** | P=0.008N** | P=0.003N** | P<0.001N** |
| ORDER RESTRICTED | P<0.001N** | (e) | (e) | (e) |

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STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
TERMINAL SACRIFICE AT 105 WEEKS

| DOSE | Males | | | |
|------|---------|---------|---------|----------|
| | CONTROL | 250 PPM | 500 PPM | 1000 PPM |

Adrenal Medulla
Hyperplasia

LESION RATES

| | | | | |
|--------------------|-----------|-----------|-----------|-----------|
| OVERALL (a) | 2/50 (4%) | 1/50 (2%) | 0/48 (0%) | 0/50 (0%) |
| POLY-3 RATE (b) | 2/46.58 | 1/44.55 | 0/42.76 | 0/40.05 |
| POLY-3 PERCENT (g) | 4.3% | 2.2% | 0% | 0% |
| TERMINAL (d) | 1/38 (3%) | 1/34 (3%) | 0/30 (0%) | 0/23 (0%) |
| FIRST INCIDENCE | 687 | 729 (T) | --- | --- |

STATISTICAL TESTS

| | | | | |
|---------------------|----------|----------|----------|----------|
| LIFE TABLE | P=0.143N | P=0.532N | P=0.275N | P=0.322N |
| POLY 3 | P=0.106N | P=0.516N | P=0.257N | P=0.272N |
| POLY 1.5 | P=0.105N | P=0.509N | P=0.253N | P=0.258N |
| POLY 6 | P=0.107N | P=0.522N | P=0.260N | P=0.291N |
| LOGISTIC REGRESSION | P=0.119N | P=0.516N | P=0.251N | P=0.271N |
| COCH-ARM / FISHERS | P=0.102N | P=0.500N | P=0.258N | P=0.247N |
| ORDER RESTRICTED | P=0.098N | (e) | (e) | (e) |

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STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
TERMINAL SACRIFICE AT 105 WEEKS

| DOSE | Males | | | |
|------|---------|---------|---------|----------|
| | CONTROL | 250 PPM | 500 PPM | 1000 PPM |

Epididymis
Granuloma Sperm

LESION RATES

| | | | | |
|--------------------|-----------|-----------|-----------|-----------|
| OVERALL (a) | 0/50 (0%) | 2/50 (4%) | 0/49 (0%) | 1/50 (2%) |
| POLY-3 RATE (b) | 0/46.42 | 2/44.55 | 0/43.58 | 1/40.05 |
| POLY-3 PERCENT (g) | 0% | 4.5% | 0% | 2.5% |
| TERMINAL (d) | 0/38 (0%) | 2/34 (6%) | 0/30 (0%) | 1/23 (4%) |
| FIRST INCIDENCE | --- | 729 (T) | --- | 729 (T) |

STATISTICAL TESTS

| | | | | |
|---------------------|---------|---------|-----|---------|
| LIFE TABLE | P=0.412 | P=0.214 | (e) | P=0.400 |
| POLY 3 | P=0.486 | P=0.228 | (e) | P=0.471 |
| POLY 1.5 | P=0.507 | P=0.232 | (e) | P=0.482 |
| POLY 6 | P=0.462 | P=0.224 | (e) | P=0.457 |
| LOGISTIC REGRESSION | (e) | P=0.214 | (e) | P=0.400 |
| COCH-ARM / FISHERS | P=0.538 | P=0.247 | (e) | P=0.500 |
| ORDER RESTRICTED | P=0.299 | (e) | (e) | (e) |

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STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
TERMINAL SACRIFICE AT 105 WEEKS

| DOSE | Males | | | |
|------|---------|---------|---------|----------|
| | CONTROL | 250 PPM | 500 PPM | 1000 PPM |

Eye
Cataract

LESION RATES

| | | | | |
|--------------------|-----------|-----------|-----------|-----------|
| OVERALL (a) | 1/49 (2%) | 1/50 (2%) | 0/49 (0%) | 1/48 (2%) |
| POLY-3 RATE (b) | 1/46.47 | 1/44.67 | 0/43.58 | 1/38.68 |
| POLY-3 PERCENT (g) | 2.2% | 2.2% | 0% | 2.6% |
| TERMINAL (d) | 0/38 (0%) | 0/34 (0%) | 0/30 (0%) | 0/23 (0%) |
| FIRST INCIDENCE | 551 | 698 | --- | 705 |

STATISTICAL TESTS

| | | | | |
|---------------------|----------|----------|----------|----------|
| LIFE TABLE | P=0.626 | P=0.748 | P=0.512N | P=0.701 |
| POLY 3 | P=0.633N | P=0.752 | P=0.513N | P=0.718 |
| POLY 1.5 | P=0.629N | P=0.757 | P=0.508N | P=0.733 |
| POLY 6 | P=0.634 | P=0.746 | P=0.518N | P=0.700 |
| LOGISTIC REGRESSION | P=0.538N | P=0.644N | P=0.263N | P=0.677N |
| COCH-ARM / FISHERS | P=0.624N | P=0.747N | P=0.500N | P=0.747 |
| ORDER RESTRICTED | P=0.552 | (e) | (e) | (e) |

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STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
TERMINAL SACRIFICE AT 105 WEEKS

| DOSE | Males | | | |
|------|---------|---------|---------|----------|
| | CONTROL | 250 PPM | 500 PPM | 1000 PPM |

Eye: Cornea
Inflammation Chronic

LESION RATES

| | | | | |
|--------------------|-----------|-----------|-----------|-----------|
| OVERALL (a) | 0/49 (0%) | 2/50 (4%) | 1/49 (2%) | 4/48 (8%) |
| POLY-3 RATE (b) | 0/45.91 | 2/44.55 | 1/43.58 | 4/39.40 |
| POLY-3 PERCENT (g) | 0% | 4.5% | 2.3% | 10.2% |
| TERMINAL (d) | 0/38 (0%) | 2/34 (6%) | 1/30 (3%) | 2/23 (9%) |
| FIRST INCIDENCE | --- | 729 (T) | 729 (T) | 480 |

STATISTICAL TESTS

| | | | | |
|---------------------|----------|---------|---------|----------|
| LIFE TABLE | P=0.012* | P=0.214 | P=0.453 | P=0.028* |
| POLY 3 | P=0.026* | P=0.231 | P=0.490 | P=0.043* |
| POLY 1.5 | P=0.030* | P=0.235 | P=0.493 | P=0.048* |
| POLY 6 | P=0.023* | P=0.226 | P=0.486 | P=0.037* |
| LOGISTIC REGRESSION | P=0.034* | P=0.214 | P=0.453 | P=0.073 |
| COCH-ARM / FISHERS | P=0.036* | P=0.253 | P=0.500 | P=0.056 |
| ORDER RESTRICTED | P=0.012* | (e) | (e) | (e) |

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STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
TERMINAL SACRIFICE AT 105 WEEKS

| DOSE | Males | | | |
|------|---------|---------|---------|----------|
| | CONTROL | 250 PPM | 500 PPM | 1000 PPM |

Harderian Gland
Hyperplasia

LESION RATES

| | | | | |
|--------------------|-----------|-----------|-----------|-----------|
| OVERALL (a) | 2/48 (4%) | 2/50 (4%) | 1/49 (2%) | 1/50 (2%) |
| POLY-3 RATE (b) | 2/44.94 | 2/44.55 | 1/43.58 | 1/40.55 |
| POLY-3 PERCENT (g) | 4.5% | 4.5% | 2.3% | 2.5% |
| TERMINAL (d) | 2/38 (5%) | 2/34 (6%) | 1/30 (3%) | 0/23 (0%) |
| FIRST INCIDENCE | 729 (T) | 729 (T) | 729 (T) | 576 |

STATISTICAL TESTS

| | | | | |
|---------------------|----------|----------|----------|----------|
| LIFE TABLE | P=0.486N | P=0.655 | P=0.583N | P=0.629N |
| POLY 3 | P=0.363N | P=0.691 | P=0.511N | P=0.536N |
| POLY 1.5 | P=0.349N | P=0.690N | P=0.504N | P=0.516N |
| POLY 6 | P=0.379N | P=0.683 | P=0.518N | P=0.559N |
| LOGISTIC REGRESSION | P=0.358N | P=0.655 | P=0.583N | P=0.457N |
| COCH-ARM / FISHERS | P=0.327N | P=0.676N | P=0.492N | P=0.485N |
| ORDER RESTRICTED | P=0.475N | (e) | (e) | (e) |

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STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
TERMINAL SACRIFICE AT 105 WEEKS

| DOSE | Males | | | |
|------|---------|---------|---------|----------|
| | CONTROL | 250 PPM | 500 PPM | 1000 PPM |

Heart
Cardiomyopathy

LESION RATES

| | | | | |
|--------------------|-------------|-------------|-------------|-------------|
| OVERALL (a) | 10/50 (20%) | 18/50 (36%) | 13/50 (26%) | 17/50 (34%) |
| POLY-3 RATE (b) | 10/48.03 | 18/46.09 | 13/45.42 | 17/43.04 |
| POLY-3 PERCENT (g) | 20.8% | 39.1% | 28.6% | 39.5% |
| TERMINAL (d) | 5/38 (13%) | 14/34 (41%) | 7/30 (23%) | 6/23 (26%) |
| FIRST INCIDENCE | 583 | 533 | 568 | 420 |

STATISTICAL TESTS

| | | | | |
|---------------------|----------|----------|---------|----------|
| LIFE TABLE | P=0.018* | P=0.041* | P=0.199 | P=0.018* |
| POLY 3 | P=0.077 | P=0.041* | P=0.263 | P=0.040* |
| POLY 1.5 | P=0.103 | P=0.048* | P=0.283 | P=0.055 |
| POLY 6 | P=0.055 | P=0.034* | P=0.242 | P=0.028* |
| LOGISTIC REGRESSION | P=0.149 | P=0.068 | P=0.349 | P=0.113 |
| COCH-ARM / FISHERS | P=0.158 | P=0.059 | P=0.318 | P=0.088 |
| ORDER RESTRICTED | P=0.036* | (e) | (e) | (e) |

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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 105 WEEKS**

| DOSE | Males | | | |
|------|---------|---------|---------|----------|
| | CONTROL | 250 PPM | 500 PPM | 1000 PPM |

**Heart
 Inflammation Acute**

LESION RATES

| | | | | |
|--------------------|-----------|-----------|-----------|-----------|
| OVERALL (a) | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | 2/50 (4%) |
| POLY-3 RATE (b) | 0/46.42 | 0/44.55 | 0/44.13 | 2/41.23 |
| POLY-3 PERCENT (g) | 0% | 0% | 0% | 4.9% |
| TERMINAL (d) | 0/38 (0%) | 0/34 (0%) | 0/30 (0%) | 0/23 (0%) |
| FIRST INCIDENCE | --- | --- | --- | 449 |

STATISTICAL TESTS

| | | | | |
|---------------------|----------|-----|-----|---------|
| LIFE TABLE | P=0.040* | (e) | (e) | P=0.213 |
| POLY 3 | P=0.041* | (e) | (e) | P=0.212 |
| POLY 1.5 | P=0.043* | (e) | (e) | P=0.221 |
| POLY 6 | P=0.040* | (e) | (e) | P=0.200 |
| LOGISTIC REGRESSION | P=0.139 | (e) | (e) | P=0.568 |
| COCH-ARM / FISHERS | P=0.046* | (e) | (e) | P=0.247 |
| ORDER RESTRICTED | P=0.021* | (e) | (e) | (e) |

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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 105 WEEKS**

| DOSE | Males | | | |
|------|---------|---------|---------|----------|
| | CONTROL | 250 PPM | 500 PPM | 1000 PPM |

**Heart
 Thrombosis**

LESION RATES

| | | | | |
|--------------------|-----------|-----------|-----------|-----------|
| OVERALL (a) | 1/50 (2%) | 0/50 (0%) | 1/50 (2%) | 2/50 (4%) |
| POLY-3 RATE (b) | 1/46.67 | 0/44.55 | 1/44.14 | 2/40.56 |
| POLY-3 PERCENT (g) | 2.1% | 0% | 2.3% | 4.9% |
| TERMINAL (d) | 0/38 (0%) | 0/34 (0%) | 0/30 (0%) | 0/23 (0%) |
| FIRST INCIDENCE | 663 | --- | 726 | 610 |

STATISTICAL TESTS

| | | | | |
|---------------------|---------|----------|----------|---------|
| LIFE TABLE | P=0.176 | P=0.514N | P=0.736 | P=0.409 |
| POLY 3 | P=0.221 | P=0.509N | P=0.748 | P=0.451 |
| POLY 1.5 | P=0.231 | P=0.506N | P=0.753 | P=0.470 |
| POLY 6 | P=0.210 | P=0.513N | P=0.743 | P=0.429 |
| LOGISTIC REGRESSION | P=0.271 | P=0.456N | P=0.759N | P=0.578 |
| COCH-ARM / FISHERS | P=0.247 | P=0.500N | P=0.753N | P=0.500 |
| ORDER RESTRICTED | P=0.184 | (e) | (e) | (e) |

TDMS No. 96011-06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

CUMENE

CAS Number: 98-82-8

Pathologist: PIERCE, J. - GRUMBEIN, S.

Date Report Reqsted: 02/27/2006

Time Report Reqsted: 15:32:52

First Dose M/F: 06/11/01 / 06/11/01

Lab: BNW

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
TERMINAL SACRIFICE AT 105 WEEKS

| DOSE | Males | | | |
|------|---------|---------|---------|----------|
| | CONTROL | 250 PPM | 500 PPM | 1000 PPM |

Islets, Pancreatic
Hyperplasia

LESION RATES

| | | | | |
|--------------------|-----------|-----------|-----------|-----------|
| OVERALL (a) | 1/50 (2%) | 3/50 (6%) | 1/49 (2%) | 0/49 (0%) |
| POLY-3 RATE (b) | 1/46.42 | 3/44.55 | 1/43.58 | 0/39.86 |
| POLY-3 PERCENT (g) | 2.2% | 6.7% | 2.3% | 0% |
| TERMINAL (d) | 1/38 (3%) | 3/34 (9%) | 1/30 (3%) | 0/23 (0%) |
| FIRST INCIDENCE | 729 (T) | 729 (T) | 729 (T) | --- |

STATISTICAL TESTS

| | | | | |
|---------------------|----------|---------|---------|----------|
| LIFE TABLE | P=0.320N | P=0.266 | P=0.708 | P=0.600N |
| POLY 3 | P=0.242N | P=0.291 | P=0.746 | P=0.530N |
| POLY 1.5 | P=0.227N | P=0.296 | P=0.750 | P=0.520N |
| POLY 6 | P=0.261N | P=0.285 | P=0.743 | P=0.543N |
| LOGISTIC REGRESSION | P=0.320N | P=0.266 | P=0.708 | (e) |
| COCH-ARM / FISHERS | P=0.205N | P=0.309 | P=0.747 | P=0.505N |
| ORDER RESTRICTED | P=0.176N | (e) | (e) | (e) |

TDMS No. 96011-06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

CUMENE

CAS Number: 98-82-8

Pathologist: PIERCE, J. - GRUMBEIN, S.

Date Report Reqsted: 02/27/2006

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First Dose M/F: 06/11/01 / 06/11/01

Lab: BNW

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
TERMINAL SACRIFICE AT 105 WEEKS

| DOSE | Males | | | |
|------|---------|---------|---------|----------|
| | CONTROL | 250 PPM | 500 PPM | 1000 PPM |

Kidney
Infarct

LESION RATES

| | | | | |
|--------------------|-----------|-----------|------------|------------|
| OVERALL (a) | 1/50 (2%) | 4/50 (8%) | 3/50 (6%) | 7/50 (14%) |
| POLY-3 RATE (b) | 1/46.42 | 4/44.62 | 3/44.13 | 7/41.30 |
| POLY-3 PERCENT (g) | 2.2% | 9% | 6.8% | 17% |
| TERMINAL (d) | 1/38 (3%) | 3/34 (9%) | 3/30 (10%) | 3/23 (13%) |
| FIRST INCIDENCE | 729 (T) | 712 | 729 (T) | 480 |

STATISTICAL TESTS

| | | | | |
|---------------------|-----------|---------|---------|-----------|
| LIFE TABLE | P=0.004** | P=0.151 | P=0.224 | P=0.008** |
| POLY 3 | P=0.016* | P=0.167 | P=0.287 | P=0.019* |
| POLY 1.5 | P=0.019* | P=0.171 | P=0.294 | P=0.023* |
| POLY 6 | P=0.013* | P=0.162 | P=0.280 | P=0.015* |
| LOGISTIC REGRESSION | P=0.016* | P=0.156 | P=0.224 | P=0.032* |
| COCH-ARM / FISHERS | P=0.026* | P=0.181 | P=0.309 | P=0.030* |
| ORDER RESTRICTED | P=0.008** | (e) | (e) | (e) |

TDMS No. 96011-06
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 CUMENE
 CAS Number: 98-82-8
 Pathologist: PIERCE, J. - GRUMBEIN, S.

Date Report Reqsted: 02/27/2006
 Time Report Reqsted: 15:32:52
 First Dose M/F: 06/11/01 / 06/11/01
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 105 WEEKS**

| DOSE | Males | | | |
|------|---------|---------|---------|----------|
| | CONTROL | 250 PPM | 500 PPM | 1000 PPM |

**Kidney
 Metaplasia Osseous**

LESION RATES

| | | | | |
|--------------------|-----------|-----------|-----------|-----------|
| OVERALL (a) | 3/50 (6%) | 1/50 (2%) | 0/50 (0%) | 1/50 (2%) |
| POLY-3 RATE (b) | 3/46.99 | 1/44.55 | 0/44.13 | 1/40.05 |
| POLY-3 PERCENT (g) | 6.4% | 2.2% | 0% | 2.5% |
| TERMINAL (d) | 2/38 (5%) | 1/34 (3%) | 0/30 (0%) | 1/23 (4%) |
| FIRST INCIDENCE | 551 | 729 (T) | --- | 729 (T) |

STATISTICAL TESTS

| | | | | |
|---------------------|----------|----------|----------|----------|
| LIFE TABLE | P=0.300N | P=0.342N | P=0.156N | P=0.459N |
| POLY 3 | P=0.206N | P=0.325N | P=0.130N | P=0.365N |
| POLY 1.5 | P=0.204N | P=0.317N | P=0.126N | P=0.341N |
| POLY 6 | P=0.208N | P=0.333N | P=0.135N | P=0.394N |
| LOGISTIC REGRESSION | P=0.200N | P=0.271N | P=0.086N | P=0.290N |
| COCH-ARM / FISHERS | P=0.200N | P=0.309N | P=0.121N | P=0.309N |
| ORDER RESTRICTED | P=0.114N | (e) | (e) | (e) |

TDMS No. 96011-06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

CUMENE

CAS Number: 98-82-8

Pathologist: PIERCE, J. - GRUMBEIN, S.

Date Report Reqsted: 02/27/2006

Time Report Reqsted: 15:32:52

First Dose M/F: 06/11/01 / 06/11/01

Lab: BNW

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
TERMINAL SACRIFICE AT 105 WEEKS

| DOSE | Males | | | |
|------|---------|---------|---------|----------|
| | CONTROL | 250 PPM | 500 PPM | 1000 PPM |

Kidney
Mineralization

LESION RATES

| | | | | |
|--------------------|-----------|-----------|-----------|-----------|
| OVERALL (a) | 1/50 (2%) | 1/50 (2%) | 0/50 (0%) | 2/50 (4%) |
| POLY-3 RATE (b) | 1/46.42 | 1/45.12 | 0/44.13 | 2/40.23 |
| POLY-3 PERCENT (g) | 2.2% | 2.2% | 0% | 5% |
| TERMINAL (d) | 1/38 (3%) | 0/34 (0%) | 0/30 (0%) | 1/23 (4%) |
| FIRST INCIDENCE | 729 (T) | 551 | --- | 683 |

STATISTICAL TESTS

| | | | | |
|---------------------|---------|----------|----------|---------|
| LIFE TABLE | P=0.277 | P=0.741 | P=0.547N | P=0.364 |
| POLY 3 | P=0.337 | P=0.754 | P=0.510N | P=0.450 |
| POLY 1.5 | P=0.349 | P=0.756 | P=0.506N | P=0.470 |
| POLY 6 | P=0.325 | P=0.752 | P=0.514N | P=0.428 |
| LOGISTIC REGRESSION | P=0.405 | P=0.691N | (e) | P=0.423 |
| COCH-ARM / FISHERS | P=0.366 | P=0.753N | P=0.500N | P=0.500 |
| ORDER RESTRICTED | P=0.223 | (e) | (e) | (e) |

TDMS No. 96011-06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

CUMENE

CAS Number: 98-82-8

Pathologist: PIERCE, J. - GRUMBEIN, S.

Date Report Reqsted: 02/27/2006

Time Report Reqsted: 15:32:52

First Dose M/F: 06/11/01 / 06/11/01

Lab: BNW

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
TERMINAL SACRIFICE AT 105 WEEKS

| DOSE | Males | | | |
|------|---------|---------|---------|----------|
| | CONTROL | 250 PPM | 500 PPM | 1000 PPM |

Kidney
Nephropathy

LESION RATES

| | | | | |
|--------------------|-------------|-------------|-------------|-------------|
| OVERALL (a) | 47/50 (94%) | 44/50 (88%) | 45/50 (90%) | 41/50 (82%) |
| POLY-3 RATE (b) | 47/48.94 | 44/49.45 | 45/49.44 | 41/46.77 |
| POLY-3 PERCENT (g) | 96% | 89% | 91% | 87.7% |
| TERMINAL (d) | 37/38 (97%) | 31/34 (91%) | 28/30 (93%) | 19/23 (83%) |
| FIRST INCIDENCE | 622 | 453 | 381 | 407 |

STATISTICAL TESTS

| | | | | |
|---------------------|----------|----------|----------|----------|
| LIFE TABLE | P=0.021* | P=0.467 | P=0.155 | P=0.041* |
| POLY 3 | P=0.137N | P=0.158N | P=0.262N | P=0.107N |
| POLY 1.5 | P=0.102N | P=0.189N | P=0.300N | P=0.085N |
| POLY 6 | P=0.164N | P=0.133N | P=0.227N | P=0.129N |
| LOGISTIC REGRESSION | P=0.145N | P=0.302N | P=0.448N | P=0.304N |
| COCH-ARM / FISHERS | P=0.054N | P=0.243N | P=0.357N | P=0.061N |
| ORDER RESTRICTED | P=0.101N | (e) | (e) | (e) |

TDMS No. 96011-06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

CUMENE

CAS Number: 98-82-8

Pathologist: PIERCE, J. - GRUMBEIN, S.

Date Report Reqsted: 02/27/2006

Time Report Reqsted: 15:32:52

First Dose M/F: 06/11/01 / 06/11/01

Lab: BNW

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
TERMINAL SACRIFICE AT 105 WEEKS

| DOSE | Males | | | |
|------|---------|---------|---------|----------|
| | CONTROL | 250 PPM | 500 PPM | 1000 PPM |

Kidney: Renal Tubule
Hyperplasia

LESION RATES

| | | | | |
|--------------------|-----------|-----------|-----------|-----------|
| OVERALL (a) | 0/50 (0%) | 2/50 (4%) | 0/50 (0%) | 0/50 (0%) |
| POLY-3 RATE (b) | 0/46.42 | 2/45.25 | 0/44.13 | 0/40.05 |
| POLY-3 PERCENT (g) | 0% | 4.4% | 0% | 0% |
| TERMINAL (d) | 0/38 (0%) | 0/34 (0%) | 0/30 (0%) | 0/23 (0%) |
| FIRST INCIDENCE | --- | 610 | --- | --- |

STATISTICAL TESTS

| | | | | |
|---------------------|----------|---------|-----|-----|
| LIFE TABLE | P=0.447N | P=0.228 | (e) | (e) |
| POLY 3 | P=0.434N | P=0.231 | (e) | (e) |
| POLY 1.5 | P=0.423N | P=0.233 | (e) | (e) |
| POLY 6 | P=0.447N | P=0.230 | (e) | (e) |
| LOGISTIC REGRESSION | P=0.300N | P=0.323 | (e) | (e) |
| COCH-ARM / FISHERS | P=0.405N | P=0.247 | (e) | (e) |
| ORDER RESTRICTED | P=0.273N | (e) | (e) | (e) |

TDMS No. 96011-06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

CUMENE

CAS Number: 98-82-8

Pathologist: PIERCE, J. - GRUMBEIN, S.

Date Report Reqsted: 02/27/2006

Time Report Reqsted: 15:32:52

First Dose M/F: 06/11/01 / 06/11/01

Lab: BNW

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
TERMINAL SACRIFICE AT 105 WEEKS

| DOSE | Males | | | |
|------|---------|---------|---------|----------|
| | CONTROL | 250 PPM | 500 PPM | 1000 PPM |

Kidney: Renal Tubule
Necrosis

LESION RATES

| | | | | |
|--------------------|-----------|-----------|-----------|-----------|
| OVERALL (a) | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | 1/50 (2%) |
| POLY-3 RATE (b) | 0/46.42 | 0/44.55 | 0/44.13 | 1/40.87 |
| POLY-3 PERCENT (g) | 0% | 0% | 0% | 2.5% |
| TERMINAL (d) | 0/38 (0%) | 0/34 (0%) | 0/30 (0%) | 0/23 (0%) |
| FIRST INCIDENCE | --- | --- | --- | 407 |

STATISTICAL TESTS

| | | | | |
|---------------------|---------|-----|-----|---------|
| LIFE TABLE | P=0.196 | (e) | (e) | P=0.496 |
| POLY 3 | P=0.185 | (e) | (e) | P=0.475 |
| POLY 1.5 | P=0.190 | (e) | (e) | P=0.485 |
| POLY 6 | P=0.178 | (e) | (e) | P=0.462 |
| LOGISTIC REGRESSION | P=0.560 | (e) | (e) | (e) |
| COCH-ARM / FISHERS | P=0.198 | (e) | (e) | P=0.500 |
| ORDER RESTRICTED | P=0.101 | (e) | (e) | (e) |

TDMS No. 96011-06
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 CUMENE
 CAS Number: 98-82-8
 Pathologist: PIERCE, J. - GRUMBEIN, S.

Date Report Reqsted: 02/27/2006
 Time Report Reqsted: 15:32:52
 First Dose M/F: 06/11/01 / 06/11/01
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 105 WEEKS**

| DOSE | Males | | | |
|------|---------|---------|---------|----------|
| | CONTROL | 250 PPM | 500 PPM | 1000 PPM |

Liver
 Angiectasis

LESION RATES

| | | | | |
|--------------------|-----------|-----------|-----------|-----------|
| OVERALL (a) | 1/50 (2%) | 3/50 (6%) | 1/50 (2%) | 0/50 (0%) |
| POLY-3 RATE (b) | 1/46.42 | 3/45.12 | 1/44.13 | 0/40.05 |
| POLY-3 PERCENT (g) | 2.2% | 6.7% | 2.3% | 0% |
| TERMINAL (d) | 1/38 (3%) | 2/34 (6%) | 1/30 (3%) | 0/23 (0%) |
| FIRST INCIDENCE | 729 (T) | 551 | 729 (T) | --- |

STATISTICAL TESTS

| | | | | |
|---------------------|----------|---------|----------|----------|
| LIFE TABLE | P=0.300N | P=0.272 | P=0.708 | P=0.600N |
| POLY 3 | P=0.241N | P=0.295 | P=0.749 | P=0.529N |
| POLY 1.5 | P=0.224N | P=0.299 | P=0.753 | P=0.518N |
| POLY 6 | P=0.261N | P=0.292 | P=0.745 | P=0.543N |
| LOGISTIC REGRESSION | P=0.200N | P=0.333 | P=0.708 | (e) |
| COCH-ARM / FISHERS | P=0.200N | P=0.309 | P=0.753N | P=0.500N |
| ORDER RESTRICTED | P=0.177N | (e) | (e) | (e) |

TDMS No. 96011-06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

CUMENE

CAS Number: 98-82-8

Pathologist: PIERCE, J. - GRUMBEIN, S.

Date Report Reqsted: 02/27/2006

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First Dose M/F: 06/11/01 / 06/11/01

Lab: BNW

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
TERMINAL SACRIFICE AT 105 WEEKS

| DOSE | Males | | | |
|------|---------|---------|---------|----------|
| | CONTROL | 250 PPM | 500 PPM | 1000 PPM |

Liver
Basophilic Focus

LESION RATES

| | | | | |
|--------------------|------------|------------|------------|------------|
| OVERALL (a) | 7/50 (14%) | 5/50 (10%) | 4/50 (8%) | 5/50 (10%) |
| POLY-3 RATE (b) | 7/47.34 | 5/45.31 | 4/44.17 | 5/40.79 |
| POLY-3 PERCENT (g) | 14.8% | 11% | 9.1% | 12.3% |
| TERMINAL (d) | 5/38 (13%) | 4/34 (12%) | 3/30 (10%) | 3/23 (13%) |
| FIRST INCIDENCE | 551 | 453 | 718 | 556 |

STATISTICAL TESTS

| | | | | |
|---------------------|----------|----------|----------|----------|
| LIFE TABLE | P=0.514 | P=0.446N | P=0.384N | P=0.587 |
| POLY 3 | P=0.413N | P=0.410N | P=0.302N | P=0.487N |
| POLY 1.5 | P=0.382N | P=0.398N | P=0.286N | P=0.444N |
| POLY 6 | P=0.449N | P=0.426N | P=0.320N | P=0.537N |
| LOGISTIC REGRESSION | P=0.336N | P=0.312N | P=0.266N | P=0.377N |
| COCH-ARM / FISHERS | P=0.334N | P=0.380N | P=0.262N | P=0.380N |
| ORDER RESTRICTED | P=0.434N | (e) | (e) | (e) |

TDMS No. 96011-06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

CUMENE

CAS Number: 98-82-8

Pathologist: PIERCE, J. - GRUMBEIN, S.

Date Report Reqsted: 02/27/2006

Time Report Reqsted: 15:32:52

First Dose M/F: 06/11/01 / 06/11/01

Lab: BNW

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
TERMINAL SACRIFICE AT 105 WEEKS

| DOSE | Males | | | |
|------|---------|---------|---------|----------|
| | CONTROL | 250 PPM | 500 PPM | 1000 PPM |

Liver
Clear Cell Focus

LESION RATES

| | | | | |
|--------------------|-------------|-------------|-------------|-------------|
| OVERALL (a) | 24/50 (48%) | 11/50 (22%) | 20/50 (40%) | 11/50 (22%) |
| POLY-3 RATE (b) | 24/46.93 | 11/44.55 | 20/45.69 | 11/40.46 |
| POLY-3 PERCENT (g) | 51.1% | 24.7% | 43.8% | 27.2% |
| TERMINAL (d) | 22/38 (58%) | 11/34 (32%) | 17/30 (57%) | 10/23 (44%) |
| FIRST INCIDENCE | 659 | 729 (T) | 503 | 610 |

STATISTICAL TESTS

| | | | | |
|---------------------|-----------|------------|----------|------------|
| LIFE TABLE | P=0.353N | P=0.012N* | P=0.526 | P=0.181N |
| POLY 3 | P=0.052N | P=0.006N** | P=0.306N | P=0.016N* |
| POLY 1.5 | P=0.037N* | P=0.006N** | P=0.294N | P=0.010N** |
| POLY 6 | P=0.076N | P=0.007N** | P=0.320N | P=0.029N* |
| LOGISTIC REGRESSION | P=0.105N | P=0.008N** | P=0.360N | P=0.054N |
| COCH-ARM / FISHERS | P=0.024N* | P=0.006N** | P=0.273N | P=0.006N** |
| ORDER RESTRICTED | P=0.012N* | (e) | (e) | (e) |

TDMS No. 96011-06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

CUMENE

CAS Number: 98-82-8

Pathologist: PIERCE, J. - GRUMBEIN, S.

Date Report Reqsted: 02/27/2006

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First Dose M/F: 06/11/01 / 06/11/01

Lab: BNW

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
TERMINAL SACRIFICE AT 105 WEEKS

| DOSE | Males | | | |
|------|---------|---------|---------|----------|
| | CONTROL | 250 PPM | 500 PPM | 1000 PPM |

Liver
Eosinophilic Focus

LESION RATES

| | | | | |
|--------------------|------------|------------|-------------|-------------|
| OVERALL (a) | 6/50 (12%) | 5/50 (10%) | 16/50 (32%) | 14/50 (28%) |
| POLY-3 RATE (b) | 6/47.52 | 5/44.61 | 16/45.44 | 14/41.02 |
| POLY-3 PERCENT (g) | 12.6% | 11.2% | 35.2% | 34.1% |
| TERMINAL (d) | 3/38 (8%) | 4/34 (12%) | 10/30 (33%) | 10/23 (44%) |
| FIRST INCIDENCE | 583 | 715 | 565 | 628 |

STATISTICAL TESTS

| | | | | |
|---------------------|-----------|----------|-----------|-----------|
| LIFE TABLE | P<0.001** | P=0.567N | P=0.007** | P=0.004** |
| POLY 3 | P=0.002** | P=0.544N | P=0.008** | P=0.014* |
| POLY 1.5 | P=0.003** | P=0.526N | P=0.010** | P=0.021* |
| POLY 6 | P<0.001** | P=0.565N | P=0.007** | P=0.008** |
| LOGISTIC REGRESSION | P=0.003** | P=0.490N | P=0.015* | P=0.019* |
| COCH-ARM / FISHERS | P=0.008** | P=0.500N | P=0.014* | P=0.039* |
| ORDER RESTRICTED | P=0.006** | (e) | (e) | (e) |

TDMS No. 96011-06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

CUMENE

CAS Number: 98-82-8

Pathologist: PIERCE, J. - GRUMBEIN, S.

Date Report Reqsted: 02/27/2006

Time Report Reqsted: 15:32:52

First Dose M/F: 06/11/01 / 06/11/01

Lab: BNW

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
TERMINAL SACRIFICE AT 105 WEEKS

| DOSE | Males | | | |
|------|---------|---------|---------|----------|
| | CONTROL | 250 PPM | 500 PPM | 1000 PPM |

Liver
Mixed Cell Focus

LESION RATES

| | | | | |
|--------------------|-----------|-----------|-----------|-----------|
| OVERALL (a) | 2/50 (4%) | 3/50 (6%) | 1/50 (2%) | 1/50 (2%) |
| POLY-3 RATE (b) | 2/46.42 | 3/44.55 | 1/44.13 | 1/40.05 |
| POLY-3 PERCENT (g) | 4.3% | 6.7% | 2.3% | 2.5% |
| TERMINAL (d) | 2/38 (5%) | 3/34 (9%) | 1/30 (3%) | 1/23 (4%) |
| FIRST INCIDENCE | 729 (T) | 729 (T) | 729 (T) | 729 (T) |

STATISTICAL TESTS

| | | | | |
|---------------------|----------|---------|----------|----------|
| LIFE TABLE | P=0.454N | P=0.449 | P=0.583N | P=0.673N |
| POLY 3 | P=0.323N | P=0.481 | P=0.518N | P=0.551N |
| POLY 1.5 | P=0.306N | P=0.488 | P=0.511N | P=0.531N |
| POLY 6 | P=0.343N | P=0.474 | P=0.524N | P=0.575N |
| LOGISTIC REGRESSION | P=0.454N | P=0.449 | P=0.583N | P=0.673N |
| COCH-ARM / FISHERS | P=0.279N | P=0.500 | P=0.500N | P=0.500N |
| ORDER RESTRICTED | P=0.371N | (e) | (e) | (e) |

TDMS No. 96011-06
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 CUMENE
 CAS Number: 98-82-8
 Pathologist: PIERCE, J. - GRUMBEIN, S.

Date Report Requested: 02/27/2006
 Time Report Requested: 15:32:52
 First Dose M/F: 06/11/01 / 06/11/01
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 105 WEEKS**

| DOSE | Males | | | |
|------|---------|---------|---------|----------|
| | CONTROL | 250 PPM | 500 PPM | 1000 PPM |

Liver
 Necrosis

LESION RATES

| | | | | |
|--------------------|-----------|-----------|-----------|-----------|
| OVERALL (a) | 2/50 (4%) | 4/50 (8%) | 4/50 (8%) | 1/50 (2%) |
| POLY-3 RATE (b) | 2/46.42 | 4/45.51 | 4/45.82 | 1/40.87 |
| POLY-3 PERCENT (g) | 4.3% | 8.8% | 8.7% | 2.5% |
| TERMINAL (d) | 2/38 (5%) | 2/34 (6%) | 0/30 (0%) | 0/23 (0%) |
| FIRST INCIDENCE | 729 (T) | 533 | 381 | 407 |

STATISTICAL TESTS

| | | | | |
|---------------------|----------|---------|---------|----------|
| LIFE TABLE | P=0.453N | P=0.302 | P=0.285 | P=0.617N |
| POLY 3 | P=0.392N | P=0.328 | P=0.331 | P=0.544N |
| POLY 1.5 | P=0.362N | P=0.331 | P=0.333 | P=0.526N |
| POLY 6 | P=0.429N | P=0.326 | P=0.329 | P=0.566N |
| LOGISTIC REGRESSION | P=0.097N | P=0.385 | P=0.528 | P=0.311N |
| COCH-ARM / FISHERS | P=0.319N | P=0.339 | P=0.339 | P=0.500N |
| ORDER RESTRICTED | P=0.285N | (e) | (e) | (e) |

TDMS No. 96011-06
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 CUMENE
 CAS Number: 98-82-8
 Pathologist: PIERCE, J. - GRUMBEIN, S.

Date Report Reqsted: 02/27/2006
 Time Report Reqsted: 15:32:52
 First Dose M/F: 06/11/01 / 06/11/01
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 105 WEEKS**

| DOSE | Males | | | |
|------|---------|---------|---------|----------|
| | CONTROL | 250 PPM | 500 PPM | 1000 PPM |

Liver
 Tension Lipidosis

LESION RATES

| | | | | |
|--------------------|-----------|-----------|-----------|-----------|
| OVERALL (a) | 1/50 (2%) | 1/50 (2%) | 2/50 (4%) | 0/50 (0%) |
| POLY-3 RATE (b) | 1/46.42 | 1/44.80 | 2/44.37 | 0/40.05 |
| POLY-3 PERCENT (g) | 2.2% | 2.2% | 4.5% | 0% |
| TERMINAL (d) | 1/38 (3%) | 0/34 (0%) | 1/30 (3%) | 0/23 (0%) |
| FIRST INCIDENCE | 729 (T) | 662 | 664 | --- |

STATISTICAL TESTS

| | | | | |
|---------------------|----------|----------|---------|----------|
| LIFE TABLE | P=0.461N | P=0.743 | P=0.443 | P=0.600N |
| POLY 3 | P=0.417N | P=0.753 | P=0.484 | P=0.529N |
| POLY 1.5 | P=0.397N | P=0.755 | P=0.490 | P=0.518N |
| POLY 6 | P=0.442N | P=0.750 | P=0.479 | P=0.543N |
| LOGISTIC REGRESSION | P=0.376N | P=0.758N | P=0.490 | (e) |
| COCH-ARM / FISHERS | P=0.366N | P=0.753N | P=0.500 | P=0.500N |
| ORDER RESTRICTED | P=0.292N | (e) | (e) | (e) |

TDMS No. 96011-06
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 CUMENE
 CAS Number: 98-82-8
 Pathologist: PIERCE, J. - GRUMBEIN, S.

Date Report Reqsted: 02/27/2006
 Time Report Reqsted: 15:32:52
 First Dose M/F: 06/11/01 / 06/11/01
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 105 WEEKS**

| DOSE | Males | | | |
|------|---------|---------|---------|----------|
| | CONTROL | 250 PPM | 500 PPM | 1000 PPM |

Liver: Centrilobular
 Necrosis

LESION RATES

| | | | | |
|--------------------|-----------|-----------|-----------|-----------|
| OVERALL (a) | 1/50 (2%) | 4/50 (8%) | 0/50 (0%) | 0/50 (0%) |
| POLY-3 RATE (b) | 1/46.67 | 4/45.28 | 0/44.13 | 0/40.05 |
| POLY-3 PERCENT (g) | 2.1% | 8.8% | 0% | 0% |
| TERMINAL (d) | 0/38 (0%) | 1/34 (3%) | 0/30 (0%) | 0/23 (0%) |
| FIRST INCIDENCE | 663 | 610 | --- | --- |

STATISTICAL TESTS

| | | | | |
|---------------------|----------|---------|----------|----------|
| LIFE TABLE | P=0.173N | P=0.167 | P=0.510N | P=0.541N |
| POLY 3 | P=0.151N | P=0.170 | P=0.511N | P=0.530N |
| POLY 1.5 | P=0.139N | P=0.173 | P=0.507N | P=0.518N |
| POLY 6 | P=0.165N | P=0.167 | P=0.516N | P=0.545N |
| LOGISTIC REGRESSION | P=0.100N | P=0.215 | P=0.458N | P=0.461N |
| COCH-ARM / FISHERS | P=0.125N | P=0.181 | P=0.500N | P=0.500N |
| ORDER RESTRICTED | P=0.098N | (e) | (e) | (e) |

TDMS No. 96011-06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

CUMENE

CAS Number: 98-82-8

Pathologist: PIERCE, J. - GRUMBEIN, S.

Date Report Reqsted: 02/27/2006

Time Report Reqsted: 15:32:52

First Dose M/F: 06/11/01 / 06/11/01

Lab: BNW

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
TERMINAL SACRIFICE AT 105 WEEKS

| DOSE | Males | | | |
|------|---------|---------|---------|----------|
| | CONTROL | 250 PPM | 500 PPM | 1000 PPM |

Lung
Hemorrhage

LESION RATES

| | | | | |
|--------------------|-----------|-----------|-----------|-----------|
| OVERALL (a) | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) |
| POLY-3 RATE (b) | 0/46.42 | 0/44.55 | 0/44.13 | 0/40.05 |
| POLY-3 PERCENT (g) | 0% | 0% | 0% | 0% |
| TERMINAL (d) | 0/38 (0%) | 0/34 (0%) | 0/30 (0%) | 0/23 (0%) |
| FIRST INCIDENCE | --- | --- | --- | --- |

STATISTICAL TESTS

| | | | | |
|---------------------|-----|-----|-----|-----|
| LIFE TABLE | (e) | (e) | (e) | (e) |
| POLY 3 | (e) | (e) | (e) | (e) |
| POLY 1.5 | (e) | (e) | (e) | (e) |
| POLY 6 | (e) | (e) | (e) | (e) |
| LOGISTIC REGRESSION | (e) | (e) | (e) | (e) |
| COCH-ARM / FISHERS | (e) | (e) | (e) | (e) |
| ORDER RESTRICTED | (e) | (e) | (e) | (e) |

TDMS No. 96011-06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

CUMENE

CAS Number: 98-82-8

Pathologist: PIERCE, J. - GRUMBEIN, S.

Date Report Reqsted: 02/27/2006

Time Report Reqsted: 15:32:52

First Dose M/F: 06/11/01 / 06/11/01

Lab: BNW

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
TERMINAL SACRIFICE AT 105 WEEKS

| DOSE | Males | | | |
|------|---------|---------|---------|----------|
| | CONTROL | 250 PPM | 500 PPM | 1000 PPM |

Lung
Thrombosis

LESION RATES

| | | | | |
|--------------------|-----------|-----------|-----------|-----------|
| OVERALL (a) | 0/50 (0%) | 1/50 (2%) | 1/50 (2%) | 1/50 (2%) |
| POLY-3 RATE (b) | 0/46.42 | 1/44.80 | 1/44.13 | 1/40.87 |
| POLY-3 PERCENT (g) | 0% | 2.2% | 2.3% | 2.5% |
| TERMINAL (d) | 0/38 (0%) | 0/34 (0%) | 1/30 (3%) | 0/23 (0%) |
| FIRST INCIDENCE | --- | 662 | 729 (T) | 407 |

STATISTICAL TESTS

| | | | | |
|---------------------|---------|---------|---------|---------|
| LIFE TABLE | P=0.325 | P=0.490 | P=0.453 | P=0.496 |
| POLY 3 | P=0.337 | P=0.493 | P=0.490 | P=0.475 |
| POLY 1.5 | P=0.356 | P=0.495 | P=0.494 | P=0.485 |
| POLY 6 | P=0.313 | P=0.491 | P=0.486 | P=0.462 |
| LOGISTIC REGRESSION | P=0.585 | P=0.546 | P=0.453 | (e) |
| COCH-ARM / FISHERS | P=0.384 | P=0.500 | P=0.500 | P=0.500 |
| ORDER RESTRICTED | P=0.305 | (e) | (e) | (e) |

TDMS No. 96011-06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

CUMENE

CAS Number: 98-82-8

Pathologist: PIERCE, J. - GRUMBEIN, S.

Date Report Reqsted: 02/27/2006

Time Report Reqsted: 15:32:52

First Dose M/F: 06/11/01 / 06/11/01

Lab: BNW

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
TERMINAL SACRIFICE AT 105 WEEKS

| DOSE | Males | | | |
|------|---------|---------|---------|----------|
| | CONTROL | 250 PPM | 500 PPM | 1000 PPM |

Lung: Alveolar Epithelium
Hyperplasia

LESION RATES

| | | | | |
|--------------------|-----------|-----------|-----------|-----------|
| OVERALL (a) | 3/50 (6%) | 3/50 (6%) | 4/50 (8%) | 0/50 (0%) |
| POLY-3 RATE (b) | 3/46.78 | 3/45.01 | 4/45.29 | 0/40.05 |
| POLY-3 PERCENT (g) | 6.4% | 6.7% | 8.8% | 0% |
| TERMINAL (d) | 2/38 (5%) | 2/34 (6%) | 1/30 (3%) | 0/23 (0%) |
| FIRST INCIDENCE | 628 | 593 | 565 | --- |

STATISTICAL TESTS

| | | | | |
|---------------------|----------|----------|---------|----------|
| LIFE TABLE | P=0.200N | P=0.618 | P=0.430 | P=0.203N |
| POLY 3 | P=0.162N | P=0.644 | P=0.482 | P=0.149N |
| POLY 1.5 | P=0.141N | P=0.651 | P=0.488 | P=0.136N |
| POLY 6 | P=0.189N | P=0.638 | P=0.478 | P=0.166N |
| LOGISTIC REGRESSION | P=0.076N | P=0.637N | P=0.602 | P=0.124N |
| COCH-ARM / FISHERS | P=0.114N | P=0.661N | P=0.500 | P=0.121N |
| ORDER RESTRICTED | P=0.112N | (e) | (e) | (e) |

TDMS No. 96011-06
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 CUMENE
 CAS Number: 98-82-8
 Pathologist: PIERCE, J. - GRUMBEIN, S.

Date Report Requested: 02/27/2006
 Time Report Requested: 15:32:52
 First Dose M/F: 06/11/01 / 06/11/01
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 105 WEEKS**

| DOSE | Males | | | |
|------|---------|---------|---------|----------|
| | CONTROL | 250 PPM | 500 PPM | 1000 PPM |

**Lung: Alveolar Epithelium, Bronchiole
 Metaplasia**

LESION RATES

| | | | | |
|--------------------|------------|--------------|--------------|--------------|
| OVERALL (a) | 5/50 (10%) | 43/50 (86%) | 42/50 (84%) | 39/50 (78%) |
| POLY-3 RATE (b) | 5/46.42 | 43/46.87 | 42/47.16 | 39/44.16 |
| POLY-3 PERCENT (g) | 10.8% | 91.7% | 89.1% | 88.3% |
| TERMINAL (d) | 5/38 (13%) | 34/34 (100%) | 30/30 (100%) | 23/23 (100%) |
| FIRST INCIDENCE | 729 (T) | 533 | 381 | 480 |

STATISTICAL TESTS

| | | | | |
|---------------------|-----------|-----------|-----------|-----------|
| LIFE TABLE | P<0.001** | P<0.001** | P<0.001** | P<0.001** |
| POLY 3 | P<0.001** | P<0.001** | P<0.001** | P<0.001** |
| POLY 1.5 | P<0.001** | P<0.001** | P<0.001** | P<0.001** |
| POLY 6 | P<0.001** | P<0.001** | P<0.001** | P<0.001** |
| LOGISTIC REGRESSION | P<0.001** | P<0.001** | P<0.001** | P<0.001** |
| COCH-ARM / FISHERS | P<0.001** | P<0.001** | P<0.001** | P<0.001** |
| ORDER RESTRICTED | P<0.001** | (e) | (e) | (e) |

TDMS No. 96011-06
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 CUMENE
 CAS Number: 98-82-8
 Pathologist: PIERCE, J. - GRUMBEIN, S.

Date Report Reqsted: 02/27/2006
 Time Report Reqsted: 15:32:52
 First Dose M/F: 06/11/01 / 06/11/01
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 105 WEEKS**

| DOSE | Males | | | |
|------|---------|---------|---------|----------|
| | CONTROL | 250 PPM | 500 PPM | 1000 PPM |

Lung: Alveolus
 Infiltration Cellular Histiocyte

LESION RATES

| | | | | |
|--------------------|-----------|-----------|-----------|-----------|
| OVERALL (a) | 2/50 (4%) | 3/50 (6%) | 0/50 (0%) | 1/50 (2%) |
| POLY-3 RATE (b) | 2/46.93 | 3/45.40 | 0/44.13 | 1/40.16 |
| POLY-3 PERCENT (g) | 4.3% | 6.6% | 0% | 2.5% |
| TERMINAL (d) | 0/38 (0%) | 1/34 (3%) | 0/30 (0%) | 0/23 (0%) |
| FIRST INCIDENCE | 659 | 551 | --- | 701 |

STATISTICAL TESTS

| | | | | |
|---------------------|----------|---------|----------|----------|
| LIFE TABLE | P=0.322N | P=0.466 | P=0.255N | P=0.594N |
| POLY 3 | P=0.272N | P=0.485 | P=0.251N | P=0.554N |
| POLY 1.5 | P=0.260N | P=0.491 | P=0.246N | P=0.533N |
| POLY 6 | P=0.287N | P=0.479 | P=0.258N | P=0.580N |
| LOGISTIC REGRESSION | P=0.167N | P=0.634 | P=0.181N | P=0.465N |
| COCH-ARM / FISHERS | P=0.242N | P=0.500 | P=0.247N | P=0.500N |
| ORDER RESTRICTED | P=0.223N | (e) | (e) | (e) |

TDMS No. 96011-06
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 CUMENE
 CAS Number: 98-82-8
 Pathologist: PIERCE, J. - GRUMBEIN, S.

Date Report Requested: 02/27/2006
 Time Report Requested: 15:32:52
 First Dose M/F: 06/11/01 / 06/11/01
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 105 WEEKS**

| DOSE | Males | | | |
|-------------------------------------|-----------|-------------|-------------|-------------|
| | CONTROL | 250 PPM | 500 PPM | 1000 PPM |
| Lung: Bronchiole Hyperplasia | | | | |
| LESION RATES | | | | |
| OVERALL (a) | 0/50 (0%) | 11/50 (22%) | 17/50 (34%) | 18/50 (36%) |
| POLY-3 RATE (b) | 0/46.42 | 11/45.46 | 17/45.83 | 18/42.01 |
| POLY-3 PERCENT (g) | 0% | 24.2% | 37.1% | 42.8% |
| TERMINAL (d) | 0/38 (0%) | 8/34 (24%) | 11/30 (37%) | 9/23 (39%) |
| FIRST INCIDENCE | --- | 610 | 503 | 609 |
| STATISTICAL TESTS | | | | |
| LIFE TABLE | P<0.001** | P<0.001** | P<0.001** | P<0.001** |
| POLY 3 | P<0.001** | P<0.001** | P<0.001** | P<0.001** |
| POLY 1.5 | P<0.001** | P<0.001** | P<0.001** | P<0.001** |
| POLY 6 | P<0.001** | P<0.001** | P<0.001** | P<0.001** |
| LOGISTIC REGRESSION | P<0.001** | P<0.001** | P<0.001** | P<0.001** |
| COCH-ARM / FISHERS | P<0.001** | P<0.001** | P<0.001** | P<0.001** |
| ORDER RESTRICTED | P<0.001** | (e) | (e) | (e) |

TDMS No. 96011-06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

CUMENE

CAS Number: 98-82-8

Pathologist: PIERCE, J. - GRUMBEIN, S.

Date Report Reqsted: 02/27/2006

Time Report Reqsted: 15:32:52

First Dose M/F: 06/11/01 / 06/11/01

Lab: BNW

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
TERMINAL SACRIFICE AT 105 WEEKS

| DOSE | Males | | | |
|------|---------|---------|---------|----------|
| | CONTROL | 250 PPM | 500 PPM | 1000 PPM |

Lymph Node: Lumbar
Ectasia

LESION RATES

| | | | | |
|--------------------|----------|----------|----------|----------|
| OVERALL (a) | 0/0 (0%) | 0/0 (0%) | 0/1 (0%) | 0/2 (0%) |
| POLY-3 RATE (b) | 0/0.00 | 0/0.00 | 0/0.35 | 0/1.11 |
| POLY-3 PERCENT (g) | 0% | 0% | 0% | 0% |
| TERMINAL (d) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) |
| FIRST INCIDENCE | --- | --- | --- | --- |

STATISTICAL TESTS

| | | | | |
|---------------------|-----|-----|-----|-----|
| LIFE TABLE | (e) | (e) | (e) | (e) |
| POLY 3 | (e) | (e) | (e) | (e) |
| POLY 1.5 | (e) | (e) | (e) | (e) |
| POLY 6 | (e) | (e) | (e) | (e) |
| LOGISTIC REGRESSION | (e) | (e) | (e) | (e) |
| COCH-ARM / FISHERS | (e) | (e) | (e) | (e) |
| ORDER RESTRICTED | (e) | (e) | (e) | (e) |

TDMS No. 96011-06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

CUMENE

CAS Number: 98-82-8

Pathologist: PIERCE, J. - GRUMBEIN, S.

Date Report Reqsted: 02/27/2006

Time Report Reqsted: 15:32:52

First Dose M/F: 06/11/01 / 06/11/01

Lab: BNW

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
TERMINAL SACRIFICE AT 105 WEEKS

| DOSE | Males | | | |
|------|---------|---------|---------|----------|
| | CONTROL | 250 PPM | 500 PPM | 1000 PPM |

Lymph Node: Lumbar
Hyperplasia Lymphoid

LESION RATES

| | | | | |
|--------------------|----------|----------|----------|----------|
| OVERALL (a) | 0/0 (0%) | 0/0 (0%) | 0/1 (0%) | 0/2 (0%) |
| POLY-3 RATE (b) | 0/0.00 | 0/0.00 | 0/0.35 | 0/1.11 |
| POLY-3 PERCENT (g) | 0% | 0% | 0% | 0% |
| TERMINAL (d) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) |
| FIRST INCIDENCE | --- | --- | --- | --- |

STATISTICAL TESTS

| | | | | |
|---------------------|-----|-----|-----|-----|
| LIFE TABLE | (e) | (e) | (e) | (e) |
| POLY 3 | (e) | (e) | (e) | (e) |
| POLY 1.5 | (e) | (e) | (e) | (e) |
| POLY 6 | (e) | (e) | (e) | (e) |
| LOGISTIC REGRESSION | (e) | (e) | (e) | (e) |
| COCH-ARM / FISHERS | (e) | (e) | (e) | (e) |
| ORDER RESTRICTED | (e) | (e) | (e) | (e) |

TDMS No. 96011-06
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 CUMENE
 CAS Number: 98-82-8
 Pathologist: PIERCE, J. - GRUMBEIN, S.

Date Report Reqsted: 02/27/2006
 Time Report Reqsted: 15:32:52
 First Dose M/F: 06/11/01 / 06/11/01
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 105 WEEKS**

| DOSE | Males | | | |
|------|---------|---------|---------|----------|
| | CONTROL | 250 PPM | 500 PPM | 1000 PPM |

Mesentery: Fat
 Necrosis

LESION RATES

| | | | | |
|--------------------|------------|-----------|------------|------------|
| OVERALL (a) | 3/3 (100%) | 6/7 (86%) | 6/6 (100%) | 3/3 (100%) |
| POLY-3 RATE (b) | 3/3.00 | 6/7.00 | 6/6.00 | 3/3.00 |
| POLY-3 PERCENT (g) | 100% | 85.7% | 100% | 100% |
| TERMINAL (d) | 3/3 (100%) | 3/4 (75%) | 4/4 (100%) | 3/3 (100%) |
| FIRST INCIDENCE | 729 (T) | 662 | 712 | 729 (T) |

STATISTICAL TESTS

| | | | | |
|---------------------|---------|----------|-----|-----|
| LIFE TABLE | P=0.600 | P=0.268 | (e) | (e) |
| POLY 3 | P=0.614 | P=0.663N | (e) | (e) |
| POLY 1.5 | P=0.614 | P=0.663N | (e) | (e) |
| POLY 6 | P=0.614 | P=0.663N | (e) | (e) |
| LOGISTIC REGRESSION | P=0.600 | (e) | (e) | (e) |
| COCH-ARM / FISHERS | P=0.622 | P=0.700N | (e) | (e) |
| ORDER RESTRICTED | P=0.528 | (e) | (e) | (e) |

TDMS No. 96011-06
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 CUMENE
 CAS Number: 98-82-8
 Pathologist: PIERCE, J. - GRUMBEIN, S.

Date Report Reqsted: 02/27/2006
 Time Report Reqsted: 15:32:52
 First Dose M/F: 06/11/01 / 06/11/01
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 105 WEEKS**

| DOSE | Males | | | |
|------|---------|---------|---------|----------|
| | CONTROL | 250 PPM | 500 PPM | 1000 PPM |

**Nose
 Inflammation**

LESION RATES

| | | | | |
|--------------------|-----------|-----------|------------|------------|
| OVERALL (a) | 2/50 (4%) | 2/50 (4%) | 9/49 (18%) | 6/48 (13%) |
| POLY-3 RATE (b) | 2/46.94 | 2/44.55 | 9/43.88 | 6/39.95 |
| POLY-3 PERCENT (g) | 4.3% | 4.5% | 20.5% | 15% |
| TERMINAL (d) | 0/38 (0%) | 2/34 (6%) | 6/30 (20%) | 1/23 (4%) |
| FIRST INCIDENCE | 659 | 729 (T) | 684 | 645 |

STATISTICAL TESTS

| | | | | |
|---------------------|----------|----------|----------|---------|
| LIFE TABLE | P=0.012* | P=0.656 | P=0.016* | P=0.067 |
| POLY 3 | P=0.025* | P=0.675 | P=0.018* | P=0.087 |
| POLY 1.5 | P=0.032* | P=0.682 | P=0.020* | P=0.099 |
| POLY 6 | P=0.019* | P=0.666 | P=0.016* | P=0.074 |
| LOGISTIC REGRESSION | P=0.030* | P=0.683N | P=0.022* | P=0.127 |
| COCH-ARM / FISHERS | P=0.047* | P=0.691N | P=0.023* | P=0.121 |
| ORDER RESTRICTED | P=0.027* | (e) | (e) | (e) |

TDMS No. 96011-06
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 CUMENE
 CAS Number: 98-82-8
 Pathologist: PIERCE, J. - GRUMBEIN, S.

Date Report Requested: 02/27/2006
 Time Report Requested: 15:32:52
 First Dose M/F: 06/11/01 / 06/11/01
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 105 WEEKS**

| DOSE | Males | | | |
|------|---------|---------|---------|----------|
| | CONTROL | 250 PPM | 500 PPM | 1000 PPM |

**Nose: Olfactory Epithelium
 Atrophy**

LESION RATES

| | | | | |
|--------------------|-----------|-------------|-------------|-------------|
| OVERALL (a) | 4/50 (8%) | 13/50 (26%) | 11/49 (22%) | 38/48 (79%) |
| POLY-3 RATE (b) | 4/46.94 | 13/45.07 | 11/44.35 | 38/45.00 |
| POLY-3 PERCENT (g) | 8.5% | 28.8% | 24.8% | 84.4% |
| TERMINAL (d) | 2/38 (5%) | 10/34 (29%) | 7/30 (23%) | 18/23 (78%) |
| FIRST INCIDENCE | 659 | 662 | 638 | 391 |

STATISTICAL TESTS

| | | | | |
|---------------------|-----------|-----------|----------|-----------|
| LIFE TABLE | P<0.001** | P=0.011* | P=0.025* | P<0.001** |
| POLY 3 | P<0.001** | P=0.011* | P=0.032* | P<0.001** |
| POLY 1.5 | P<0.001** | P=0.012* | P=0.035* | P<0.001** |
| POLY 6 | P<0.001** | P=0.009** | P=0.030* | P<0.001** |
| LOGISTIC REGRESSION | P<0.001** | P=0.013* | P=0.038* | P<0.001** |
| COCH-ARM / FISHERS | P<0.001** | P=0.016* | P=0.041* | P<0.001** |
| ORDER RESTRICTED | P<0.001** | (e) | (e) | (e) |

TDMS No. 96011-06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

CUMENE

CAS Number: 98-82-8

Pathologist: PIERCE, J. - GRUMBEIN, S.

Date Report Reqsted: 02/27/2006

Time Report Reqsted: 15:32:52

First Dose M/F: 06/11/01 / 06/11/01

Lab: BNW

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
TERMINAL SACRIFICE AT 105 WEEKS

| DOSE | Males | | | |
|------|---------|---------|---------|----------|
| | CONTROL | 250 PPM | 500 PPM | 1000 PPM |

Nose: Olfactory Epithelium
Hyperplasia Atypical

LESION RATES

| | | | | |
|--------------------|-----------|-----------|------------|-------------|
| OVERALL (a) | 0/50 (0%) | 0/50 (0%) | 5/49 (10%) | 11/48 (23%) |
| POLY-3 RATE (b) | 0/46.42 | 0/44.55 | 5/43.61 | 11/39.98 |
| POLY-3 PERCENT (g) | 0% | 0% | 11.5% | 27.5% |
| TERMINAL (d) | 0/38 (0%) | 0/34 (0%) | 3/30 (10%) | 8/23 (35%) |
| FIRST INCIDENCE | --- | --- | 723 | 480 |

STATISTICAL TESTS

| | | | | |
|---------------------|-----------|-----|----------|-----------|
| LIFE TABLE | P<0.001** | (e) | P=0.020* | P<0.001** |
| POLY 3 | P<0.001** | (e) | P=0.025* | P<0.001** |
| POLY 1.5 | P<0.001** | (e) | P=0.027* | P<0.001** |
| POLY 6 | P<0.001** | (e) | P=0.024* | P<0.001** |
| LOGISTIC REGRESSION | P<0.001** | (e) | P=0.023* | P<0.001** |
| COCH-ARM / FISHERS | P<0.001** | (e) | P=0.027* | P<0.001** |
| ORDER RESTRICTED | P<0.001** | (e) | (e) | (e) |

TDMS No. 96011-06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

CUMENE

CAS Number: 98-82-8

Pathologist: PIERCE, J. - GRUMBEIN, S.

Date Report Reqsted: 02/27/2006

Time Report Reqsted: 15:32:52

First Dose M/F: 06/11/01 / 06/11/01

Lab: BNW

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
TERMINAL SACRIFICE AT 105 WEEKS

| DOSE | Males | | | |
|------|---------|---------|---------|----------|
| | CONTROL | 250 PPM | 500 PPM | 1000 PPM |

Nose: Olfactory Epithelium
Hyperplasia Basal Cell

LESION RATES

| | | | | |
|--------------------|-----------|-----------|-------------|-------------|
| OVERALL (a) | 0/50 (0%) | 0/50 (0%) | 15/49 (31%) | 33/48 (69%) |
| POLY-3 RATE (b) | 0/46.42 | 0/44.55 | 15/43.87 | 33/43.13 |
| POLY-3 PERCENT (g) | 0% | 0% | 34.2% | 76.5% |
| TERMINAL (d) | 0/38 (0%) | 0/34 (0%) | 11/30 (37%) | 17/23 (74%) |
| FIRST INCIDENCE | --- | --- | 664 | 556 |

STATISTICAL TESTS

| | | | | |
|---------------------|-----------|-----|-----------|-----------|
| LIFE TABLE | P<0.001** | (e) | P<0.001** | P<0.001** |
| POLY 3 | P<0.001** | (e) | P<0.001** | P<0.001** |
| POLY 1.5 | P<0.001** | (e) | P<0.001** | P<0.001** |
| POLY 6 | P<0.001** | (e) | P<0.001** | P<0.001** |
| LOGISTIC REGRESSION | P<0.001** | (e) | P<0.001** | P<0.001** |
| COCH-ARM / FISHERS | P<0.001** | (e) | P<0.001** | P<0.001** |
| ORDER RESTRICTED | P<0.001** | (e) | (e) | (e) |

TDMS No. 96011-06
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 CUMENE
 CAS Number: 98-82-8
 Pathologist: PIERCE, J. - GRUMBEIN, S.

Date Report Reqsted: 02/27/2006
 Time Report Reqsted: 15:32:52
 First Dose M/F: 06/11/01 / 06/11/01
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 105 WEEKS**

| DOSE | Males | | | |
|------|---------|---------|---------|----------|
| | CONTROL | 250 PPM | 500 PPM | 1000 PPM |

Nose: Olfactory Epithelium
 Necrosis

LESION RATES

| | | | | |
|--------------------|-----------|-----------|-----------|-----------|
| OVERALL (a) | 0/50 (0%) | 0/50 (0%) | 0/49 (0%) | 0/48 (0%) |
| POLY-3 RATE (b) | 0/46.42 | 0/44.55 | 0/43.58 | 0/39.08 |
| POLY-3 PERCENT (g) | 0% | 0% | 0% | 0% |
| TERMINAL (d) | 0/38 (0%) | 0/34 (0%) | 0/30 (0%) | 0/23 (0%) |
| FIRST INCIDENCE | --- | --- | --- | --- |

STATISTICAL TESTS

| | | | | |
|---------------------|-----|-----|-----|-----|
| LIFE TABLE | (e) | (e) | (e) | (e) |
| POLY 3 | (e) | (e) | (e) | (e) |
| POLY 1.5 | (e) | (e) | (e) | (e) |
| POLY 6 | (e) | (e) | (e) | (e) |
| LOGISTIC REGRESSION | (e) | (e) | (e) | (e) |
| COCH-ARM / FISHERS | (e) | (e) | (e) | (e) |
| ORDER RESTRICTED | (e) | (e) | (e) | (e) |

TDMS No. 96011-06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

CUMENE

CAS Number: 98-82-8

Pathologist: PIERCE, J. - GRUMBEIN, S.

Date Report Requested: 02/27/2006

Time Report Requested: 15:32:52

First Dose M/F: 06/11/01 / 06/11/01

Lab: BNW

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
TERMINAL SACRIFICE AT 105 WEEKS

| DOSE | Males | | | |
|------|---------|---------|---------|----------|
| | CONTROL | 250 PPM | 500 PPM | 1000 PPM |

Nose: Olfactory Epithelium, Glands
Hyperplasia

LESION RATES

| | | | | |
|--------------------|-----------|-------------|------------|-------------|
| OVERALL (a) | 3/50 (6%) | 11/50 (22%) | 9/49 (18%) | 23/48 (48%) |
| POLY-3 RATE (b) | 3/46.42 | 11/44.96 | 9/44.33 | 23/41.80 |
| POLY-3 PERCENT (g) | 6.5% | 24.5% | 20.3% | 55% |
| TERMINAL (d) | 3/38 (8%) | 9/34 (27%) | 6/30 (20%) | 12/23 (52%) |
| FIRST INCIDENCE | 729 (T) | 673 | 638 | 576 |

STATISTICAL TESTS

| | | | | |
|---------------------|-----------|----------|----------|-----------|
| LIFE TABLE | P<0.001** | P=0.014* | P=0.032* | P<0.001** |
| POLY 3 | P<0.001** | P=0.016* | P=0.049* | P<0.001** |
| POLY 1.5 | P<0.001** | P=0.017* | P=0.051 | P<0.001** |
| POLY 6 | P<0.001** | P=0.015* | P=0.048* | P<0.001** |
| LOGISTIC REGRESSION | P<0.001** | P=0.015* | P=0.049* | P<0.001** |
| COCH-ARM / FISHERS | P<0.001** | P=0.020* | P=0.056 | P<0.001** |
| ORDER RESTRICTED | P<0.001** | (e) | (e) | (e) |

TDMS No. 96011-06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

CUMENE

CAS Number: 98-82-8

Pathologist: PIERCE, J. - GRUMBEIN, S.

Date Report Reqsted: 02/27/2006

Time Report Reqsted: 15:32:52

First Dose M/F: 06/11/01 / 06/11/01

Lab: BNW

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
TERMINAL SACRIFICE AT 105 WEEKS

| DOSE | Males | | | |
|------|---------|---------|---------|----------|
| | CONTROL | 250 PPM | 500 PPM | 1000 PPM |

Nose: Respiratory Epithelium
Metaplasia

LESION RATES

| | | | | |
|--------------------|-----------|-----------|-----------|------------|
| OVERALL (a) | 1/50 (2%) | 1/50 (2%) | 1/49 (2%) | 5/48 (10%) |
| POLY-3 RATE (b) | 1/46.68 | 1/44.55 | 1/43.75 | 5/39.50 |
| POLY-3 PERCENT (g) | 2.1% | 2.2% | 2.3% | 12.7% |
| TERMINAL (d) | 0/38 (0%) | 1/34 (3%) | 0/30 (0%) | 2/23 (9%) |
| FIRST INCIDENCE | 659 | 729 (T) | 684 | 680 |

STATISTICAL TESTS

| | | | | |
|---------------------|-----------|----------|----------|----------|
| LIFE TABLE | P=0.009** | P=0.738 | P=0.744 | P=0.047* |
| POLY 3 | P=0.017* | P=0.750 | P=0.746 | P=0.067 |
| POLY 1.5 | P=0.019* | P=0.754 | P=0.750 | P=0.077 |
| POLY 6 | P=0.015* | P=0.746 | P=0.743 | P=0.058 |
| LOGISTIC REGRESSION | P=0.017* | P=0.757N | P=0.741N | P=0.074 |
| COCH-ARM / FISHERS | P=0.022* | P=0.753N | P=0.747 | P=0.093 |
| ORDER RESTRICTED | P=0.013* | (e) | (e) | (e) |

TDMS No. 96011-06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

CUMENE

CAS Number: 98-82-8

Pathologist: PIERCE, J. - GRUMBEIN, S.

Date Report Reqsted: 02/27/2006

Time Report Reqsted: 15:32:52

First Dose M/F: 06/11/01 / 06/11/01

Lab: BNW

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
TERMINAL SACRIFICE AT 105 WEEKS

| DOSE | Males | | | |
|------|---------|---------|---------|----------|
| | CONTROL | 250 PPM | 500 PPM | 1000 PPM |

Nose: Turbinate
Necrosis

LESION RATES

| | | | | |
|--------------------|-----------|-----------|-----------|-----------|
| OVERALL (a) | 0/50 (0%) | 0/50 (0%) | 0/49 (0%) | 0/48 (0%) |
| POLY-3 RATE (b) | 0/46.42 | 0/44.55 | 0/43.58 | 0/39.08 |
| POLY-3 PERCENT (g) | 0% | 0% | 0% | 0% |
| TERMINAL (d) | 0/38 (0%) | 0/34 (0%) | 0/30 (0%) | 0/23 (0%) |
| FIRST INCIDENCE | --- | --- | --- | --- |

STATISTICAL TESTS

| | | | | |
|---------------------|-----|-----|-----|-----|
| LIFE TABLE | (e) | (e) | (e) | (e) |
| POLY 3 | (e) | (e) | (e) | (e) |
| POLY 1.5 | (e) | (e) | (e) | (e) |
| POLY 6 | (e) | (e) | (e) | (e) |
| LOGISTIC REGRESSION | (e) | (e) | (e) | (e) |
| COCH-ARM / FISHERS | (e) | (e) | (e) | (e) |
| ORDER RESTRICTED | (e) | (e) | (e) | (e) |

TDMS No. 96011-06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

CUMENE

CAS Number: 98-82-8

Pathologist: PIERCE, J. - GRUMBEIN, S.

Date Report Reqsted: 02/27/2006

Time Report Reqsted: 15:32:52

First Dose M/F: 06/11/01 / 06/11/01

Lab: BNW

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
TERMINAL SACRIFICE AT 105 WEEKS

| DOSE | Males | | | |
|------|---------|---------|---------|----------|
| | CONTROL | 250 PPM | 500 PPM | 1000 PPM |

Pancreas
Atrophy

LESION RATES

| | | | | |
|--------------------|-----------|-----------|-----------|-----------|
| OVERALL (a) | 0/50 (0%) | 1/50 (2%) | 0/49 (0%) | 0/49 (0%) |
| POLY-3 RATE (b) | 0/46.42 | 1/44.55 | 0/43.58 | 0/39.86 |
| POLY-3 PERCENT (g) | 0% | 2.2% | 0% | 0% |
| TERMINAL (d) | 0/38 (0%) | 1/34 (3%) | 0/30 (0%) | 0/23 (0%) |
| FIRST INCIDENCE | --- | 729 (T) | --- | --- |

STATISTICAL TESTS

| | | | | |
|---------------------|----------|---------|-----|-----|
| LIFE TABLE | P=0.643N | P=0.478 | (e) | (e) |
| POLY 3 | P=0.582N | P=0.492 | (e) | (e) |
| POLY 1.5 | P=0.578N | P=0.495 | (e) | (e) |
| POLY 6 | P=0.585N | P=0.489 | (e) | (e) |
| LOGISTIC REGRESSION | (e) | P=0.478 | (e) | (e) |
| COCH-ARM / FISHERS | P=0.571N | P=0.500 | (e) | (e) |
| ORDER RESTRICTED | P=0.401N | (e) | (e) | (e) |

TDMS No. 96011-06
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 CUMENE
 CAS Number: 98-82-8
 Pathologist: PIERCE, J. - GRUMBEIN, S.

Date Report Reqsted: 02/27/2006
 Time Report Reqsted: 15:32:52
 First Dose M/F: 06/11/01 / 06/11/01
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 105 WEEKS**

| DOSE | Males | | | |
|------|---------|---------|---------|----------|
| | CONTROL | 250 PPM | 500 PPM | 1000 PPM |

**Pituitary Gland: Pars Distalis
 Angiectasis**

LESION RATES

| | | | | |
|--------------------|-----------|-----------|-----------|-----------|
| OVERALL (a) | 0/48 (0%) | 0/49 (0%) | 0/49 (0%) | 0/49 (0%) |
| POLY-3 RATE (b) | 0/44.91 | 0/43.70 | 0/43.58 | 0/39.89 |
| POLY-3 PERCENT (g) | 0% | 0% | 0% | 0% |
| TERMINAL (d) | 0/37 (0%) | 0/34 (0%) | 0/30 (0%) | 0/23 (0%) |
| FIRST INCIDENCE | --- | --- | --- | --- |

STATISTICAL TESTS

| | | | | |
|---------------------|-----|-----|-----|-----|
| LIFE TABLE | (e) | (e) | (e) | (e) |
| POLY 3 | (e) | (e) | (e) | (e) |
| POLY 1.5 | (e) | (e) | (e) | (e) |
| POLY 6 | (e) | (e) | (e) | (e) |
| LOGISTIC REGRESSION | (e) | (e) | (e) | (e) |
| COCH-ARM / FISHERS | (e) | (e) | (e) | (e) |
| ORDER RESTRICTED | (e) | (e) | (e) | (e) |

TDMS No. 96011-06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

CUMENE

CAS Number: 98-82-8

Pathologist: PIERCE, J. - GRUMBEIN, S.

Date Report Reqsted: 02/27/2006

Time Report Reqsted: 15:32:52

First Dose M/F: 06/11/01 / 06/11/01

Lab: BNW

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
TERMINAL SACRIFICE AT 105 WEEKS

| DOSE | Males | | | |
|------|---------|---------|---------|----------|
| | CONTROL | 250 PPM | 500 PPM | 1000 PPM |

Pituitary Gland: Pars Distalis
Hyperplasia

LESION RATES

| | | | | |
|--------------------|-----------|-----------|------------|-----------|
| OVERALL (a) | 1/48 (2%) | 1/49 (2%) | 3/49 (6%) | 1/49 (2%) |
| POLY-3 RATE (b) | 1/44.91 | 1/43.70 | 3/43.58 | 1/39.89 |
| POLY-3 PERCENT (g) | 2.2% | 2.3% | 6.9% | 2.5% |
| TERMINAL (d) | 1/37 (3%) | 1/34 (3%) | 3/30 (10%) | 1/23 (4%) |
| FIRST INCIDENCE | 729 (T) | 729 (T) | 729 (T) | 729 (T) |

STATISTICAL TESTS

| | | | | |
|---------------------|---------|----------|---------|----------|
| LIFE TABLE | P=0.383 | P=0.743 | P=0.233 | P=0.652 |
| POLY 3 | P=0.488 | P=0.755 | P=0.294 | P=0.734 |
| POLY 1.5 | P=0.518 | P=0.758 | P=0.301 | P=0.747 |
| POLY 6 | P=0.449 | P=0.751 | P=0.288 | P=0.716 |
| LOGISTIC REGRESSION | P=0.383 | P=0.743 | P=0.233 | P=0.652 |
| COCH-ARM / FISHERS | P=0.562 | P=0.747N | P=0.316 | P=0.747N |
| ORDER RESTRICTED | P=0.416 | (e) | (e) | (e) |

TDMS No. 96011-06
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 CUMENE
 CAS Number: 98-82-8
 Pathologist: PIERCE, J. - GRUMBEIN, S.

Date Report Requested: 02/27/2006
 Time Report Requested: 15:32:52
 First Dose M/F: 06/11/01 / 06/11/01
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 105 WEEKS**

| DOSE | Males | | | |
|------|---------|---------|---------|----------|
| | CONTROL | 250 PPM | 500 PPM | 1000 PPM |

**Skin
 Inflammation Chronic**

LESION RATES

| | | | | |
|--------------------|-----------|-----------|------------|-----------|
| OVERALL (a) | 1/50 (2%) | 2/50 (4%) | 6/49 (12%) | 3/50 (6%) |
| POLY-3 RATE (b) | 1/46.42 | 2/44.55 | 6/44.88 | 3/40.55 |
| POLY-3 PERCENT (g) | 2.2% | 4.5% | 13.4% | 7.4% |
| TERMINAL (d) | 1/38 (3%) | 2/34 (6%) | 1/29 (3%) | 2/23 (9%) |
| FIRST INCIDENCE | 729 (T) | 729 (T) | 512 | 576 |

STATISTICAL TESTS

| | | | | |
|---------------------|---------|---------|----------|---------|
| LIFE TABLE | P=0.099 | P=0.461 | P=0.046* | P=0.175 |
| POLY 3 | P=0.142 | P=0.486 | P=0.050* | P=0.259 |
| POLY 1.5 | P=0.166 | P=0.491 | P=0.051 | P=0.276 |
| POLY 6 | P=0.117 | P=0.480 | P=0.051 | P=0.238 |
| LOGISTIC REGRESSION | P=0.264 | P=0.461 | P=0.091 | P=0.287 |
| COCH-ARM / FISHERS | P=0.210 | P=0.500 | P=0.053 | P=0.309 |
| ORDER RESTRICTED | P=0.094 | (e) | (e) | (e) |

TDMS No. 96011-06
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 CUMENE
 CAS Number: 98-82-8
 Pathologist: PIERCE, J. - GRUMBEIN, S.

Date Report Reqsted: 02/27/2006
 Time Report Reqsted: 15:32:52
 First Dose M/F: 06/11/01 / 06/11/01
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 105 WEEKS**

| DOSE | Males | | | |
|------|---------|---------|---------|----------|
| | CONTROL | 250 PPM | 500 PPM | 1000 PPM |

**Spleen
 Hematopoietic Cell Proliferation**

LESION RATES

| | | | | |
|--------------------|-----------|-----------|-----------|-----------|
| OVERALL (a) | 3/50 (6%) | 1/50 (2%) | 2/49 (4%) | 0/50 (0%) |
| POLY-3 RATE (b) | 3/47.07 | 1/44.55 | 2/43.68 | 0/40.05 |
| POLY-3 PERCENT (g) | 6.4% | 2.2% | 4.6% | 0% |
| TERMINAL (d) | 1/38 (3%) | 1/34 (3%) | 1/30 (3%) | 0/23 (0%) |
| FIRST INCIDENCE | 583 | 729 (T) | 702 | --- |

STATISTICAL TESTS

| | | | | |
|---------------------|----------|----------|----------|----------|
| LIFE TABLE | P=0.169N | P=0.338N | P=0.564N | P=0.180N |
| POLY 3 | P=0.127N | P=0.325N | P=0.534N | P=0.150N |
| POLY 1.5 | P=0.118N | P=0.317N | P=0.525N | P=0.137N |
| POLY 6 | P=0.139N | P=0.335N | P=0.544N | P=0.168N |
| LOGISTIC REGRESSION | P=0.102N | P=0.265N | P=0.476N | P=0.080N |
| COCH-ARM / FISHERS | P=0.105N | P=0.309N | P=0.510N | P=0.121N |
| ORDER RESTRICTED | P=0.080N | (e) | (e) | (e) |

TDMS No. 96011-06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

CUMENE

CAS Number: 98-82-8

Pathologist: PIERCE, J. - GRUMBEIN, S.

Date Report Reqsted: 02/27/2006

Time Report Reqsted: 15:32:52

First Dose M/F: 06/11/01 / 06/11/01

Lab: BNW

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
TERMINAL SACRIFICE AT 105 WEEKS

| DOSE | Males | | | |
|------|---------|---------|---------|----------|
| | CONTROL | 250 PPM | 500 PPM | 1000 PPM |

Stomach, Forestomach
Inflammation

LESION RATES

| | | | | |
|--------------------|-----------|-----------|-----------|------------|
| OVERALL (a) | 0/50 (0%) | 2/50 (4%) | 1/50 (2%) | 5/49 (10%) |
| POLY-3 RATE (b) | 0/46.42 | 2/45.01 | 1/44.13 | 5/40.82 |
| POLY-3 PERCENT (g) | 0% | 4.4% | 2.3% | 12.3% |
| TERMINAL (d) | 0/38 (0%) | 1/34 (3%) | 1/30 (3%) | 2/23 (9%) |
| FIRST INCIDENCE | --- | 593 | 729 (T) | 556 |

STATISTICAL TESTS

| | | | | |
|---------------------|-----------|---------|---------|----------|
| LIFE TABLE | P=0.004** | P=0.223 | P=0.453 | P=0.013* |
| POLY 3 | P=0.009** | P=0.230 | P=0.490 | P=0.021* |
| POLY 1.5 | P=0.010** | P=0.233 | P=0.494 | P=0.024* |
| POLY 6 | P=0.008** | P=0.228 | P=0.486 | P=0.018* |
| LOGISTIC REGRESSION | P=0.016* | P=0.280 | P=0.453 | P=0.035* |
| COCH-ARM / FISHERS | P=0.013* | P=0.247 | P=0.500 | P=0.027* |
| ORDER RESTRICTED | P=0.003** | (e) | (e) | (e) |

TDMS No. 96011-06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

CUMENE

CAS Number: 98-82-8

Pathologist: PIERCE, J. - GRUMBEIN, S.

Date Report Reqsted: 02/27/2006

Time Report Reqsted: 15:32:52

First Dose M/F: 06/11/01 / 06/11/01

Lab: BNW

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
TERMINAL SACRIFICE AT 105 WEEKS

| DOSE | Males | | | |
|------|---------|---------|---------|----------|
| | CONTROL | 250 PPM | 500 PPM | 1000 PPM |

Stomach, Forestomach
Ulcer

LESION RATES

| | | | | |
|--------------------|-----------|-----------|------------|------------|
| OVERALL (a) | 1/50 (2%) | 4/50 (8%) | 6/50 (12%) | 6/49 (12%) |
| POLY-3 RATE (b) | 1/46.45 | 4/46.27 | 6/45.91 | 6/41.26 |
| POLY-3 PERCENT (g) | 2.2% | 8.7% | 13.1% | 14.5% |
| TERMINAL (d) | 0/38 (0%) | 1/34 (3%) | 1/30 (3%) | 2/23 (9%) |
| FIRST INCIDENCE | 720 | 453 | 381 | 480 |

STATISTICAL TESTS

| | | | | |
|---------------------|----------|---------|----------|----------|
| LIFE TABLE | P=0.023* | P=0.167 | P=0.050* | P=0.024* |
| POLY 3 | P=0.033* | P=0.177 | P=0.054 | P=0.039* |
| POLY 1.5 | P=0.039* | P=0.178 | P=0.055 | P=0.044* |
| POLY 6 | P=0.027* | P=0.177 | P=0.053 | P=0.033* |
| LOGISTIC REGRESSION | P=0.165 | P=0.352 | P=0.110 | P=0.074 |
| COCH-ARM / FISHERS | P=0.052 | P=0.181 | P=0.056 | P=0.053 |
| ORDER RESTRICTED | P=0.035* | (e) | (e) | (e) |

TDMS No. 96011-06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

CUMENE

CAS Number: 98-82-8

Pathologist: PIERCE, J. - GRUMBEIN, S.

Date Report Reqsted: 02/27/2006

Time Report Reqsted: 15:32:52

First Dose M/F: 06/11/01 / 06/11/01

Lab: BNW

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
TERMINAL SACRIFICE AT 105 WEEKS

| DOSE | Males | | | |
|------|---------|---------|---------|----------|
| | CONTROL | 250 PPM | 500 PPM | 1000 PPM |

Stomach, Forestomach: Epithelium
Hyperplasia

LESION RATES

| | | | | |
|--------------------|-----------|------------|------------|-------------|
| OVERALL (a) | 2/50 (4%) | 7/50 (14%) | 8/50 (16%) | 13/49 (27%) |
| POLY-3 RATE (b) | 2/46.45 | 7/46.38 | 8/45.10 | 13/42.38 |
| POLY-3 PERCENT (g) | 4.3% | 15.1% | 17.7% | 30.7% |
| TERMINAL (d) | 1/38 (3%) | 4/34 (12%) | 3/30 (10%) | 4/23 (17%) |
| FIRST INCIDENCE | 720 | 453 | 568 | 480 |

STATISTICAL TESTS

| | | | | |
|---------------------|-----------|---------|----------|-----------|
| LIFE TABLE | P<0.001** | P=0.068 | P=0.033* | P<0.001** |
| POLY 3 | P<0.001** | P=0.078 | P=0.040* | P<0.001** |
| POLY 1.5 | P<0.001** | P=0.079 | P=0.042* | P<0.001** |
| POLY 6 | P<0.001** | P=0.078 | P=0.039* | P<0.001** |
| LOGISTIC REGRESSION | P=0.003** | P=0.131 | P=0.046* | P=0.003** |
| COCH-ARM / FISHERS | P=0.002** | P=0.080 | P=0.046* | P=0.002** |
| ORDER RESTRICTED | P<0.001** | (e) | (e) | (e) |

TDMS No. 96011-06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

CUMENE

CAS Number: 98-82-8

Pathologist: PIERCE, J. - GRUMBEIN, S.

Date Report Reqsted: 02/27/2006

Time Report Reqsted: 15:32:52

First Dose M/F: 06/11/01 / 06/11/01

Lab: BNW

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
TERMINAL SACRIFICE AT 105 WEEKS

| DOSE | Males | | | |
|------|---------|---------|---------|----------|
| | CONTROL | 250 PPM | 500 PPM | 1000 PPM |

Stomach, Glandular
Necrosis

LESION RATES

| | | | | |
|--------------------|-----------|-----------|-----------|-----------|
| OVERALL (a) | 0/50 (0%) | 2/48 (4%) | 0/48 (0%) | 1/48 (2%) |
| POLY-3 RATE (b) | 0/46.42 | 2/44.00 | 0/42.76 | 1/40.53 |
| POLY-3 PERCENT (g) | 0% | 4.6% | 0% | 2.5% |
| TERMINAL (d) | 0/38 (0%) | 0/34 (0%) | 0/30 (0%) | 0/23 (0%) |
| FIRST INCIDENCE | --- | 453 | --- | 407 |

STATISTICAL TESTS

| | | | | |
|---------------------|----------|---------|-----|---------|
| LIFE TABLE | P=0.510 | P=0.237 | (e) | P=0.492 |
| POLY 3 | P=0.497 | P=0.225 | (e) | P=0.473 |
| POLY 1.5 | P=0.511 | P=0.226 | (e) | P=0.481 |
| POLY 6 | P=0.477 | P=0.225 | (e) | P=0.462 |
| LOGISTIC REGRESSION | P=0.437N | P=0.538 | (e) | (e) |
| COCH-ARM / FISHERS | P=0.531 | P=0.237 | (e) | P=0.490 |
| ORDER RESTRICTED | P=0.301 | (e) | (e) | (e) |

TDMS No. 96011-06
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 CUMENE
 CAS Number: 98-82-8
 Pathologist: PIERCE, J. - GRUMBEIN, S.

Date Report Reqsted: 02/27/2006
 Time Report Reqsted: 15:32:52
 First Dose M/F: 06/11/01 / 06/11/01
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 105 WEEKS**

| DOSE | Males | | | |
|------|---------|---------|---------|----------|
| | CONTROL | 250 PPM | 500 PPM | 1000 PPM |

**Testes
 Atrophy**

LESION RATES

| | | | | |
|--------------------|------------|-----------|-----------|-----------|
| OVERALL (a) | 5/50 (10%) | 3/50 (6%) | 1/49 (2%) | 1/50 (2%) |
| POLY-3 RATE (b) | 5/46.77 | 3/45.82 | 1/43.65 | 1/40.21 |
| POLY-3 PERCENT (g) | 10.7% | 6.6% | 2.3% | 2.5% |
| TERMINAL (d) | 4/38 (11%) | 0/34 (0%) | 0/30 (0%) | 0/23 (0%) |
| FIRST INCIDENCE | 631 | 533 | 712 | 687 |

STATISTICAL TESTS

| | | | | |
|---------------------|-----------|----------|----------|----------|
| LIFE TABLE | P=0.102N | P=0.404N | P=0.153N | P=0.224N |
| POLY 3 | P=0.063N | P=0.368N | P=0.118N | P=0.140N |
| POLY 1.5 | P=0.058N | P=0.364N | P=0.114N | P=0.124N |
| POLY 6 | P=0.069N | P=0.370N | P=0.122N | P=0.162N |
| LOGISTIC REGRESSION | P=0.033N* | P=0.260N | P=0.114N | P=0.134N |
| COCH-ARM / FISHERS | P=0.051N | P=0.357N | P=0.107N | P=0.102N |
| ORDER RESTRICTED | P=0.073N | (e) | (e) | (e) |

TDMS No. 96011-06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

CUMENE

CAS Number: 98-82-8

Pathologist: PIERCE, J. - GRUMBEIN, S.

Date Report Reqsted: 02/27/2006

Time Report Reqsted: 15:32:52

First Dose M/F: 06/11/01 / 06/11/01

Lab: BNW

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
TERMINAL SACRIFICE AT 105 WEEKS

| DOSE | Males | | | |
|------|---------|---------|---------|----------|
| | CONTROL | 250 PPM | 500 PPM | 1000 PPM |

Thyroid Gland: Follicular Cell Hyperplasia

LESION RATES

| | | | | |
|--------------------|------------|------------|------------|-------------|
| OVERALL (a) | 7/50 (14%) | 7/50 (14%) | 7/49 (14%) | 11/50 (22%) |
| POLY-3 RATE (b) | 7/47.04 | 7/45.12 | 7/44.14 | 11/41.02 |
| POLY-3 PERCENT (g) | 14.9% | 15.5% | 15.9% | 26.8% |
| TERMINAL (d) | 5/38 (13%) | 6/34 (18%) | 4/30 (13%) | 7/23 (30%) |
| FIRST INCIDENCE | 628 | 551 | 565 | 628 |

STATISTICAL TESTS

| | | | | |
|---------------------|----------|----------|---------|----------|
| LIFE TABLE | P=0.022* | P=0.531 | P=0.463 | P=0.043* |
| POLY 3 | P=0.090 | P=0.581 | P=0.564 | P=0.130 |
| POLY 1.5 | P=0.110 | P=0.593 | P=0.576 | P=0.161 |
| POLY 6 | P=0.071 | P=0.566 | P=0.550 | P=0.101 |
| LOGISTIC REGRESSION | P=0.091 | P=0.608 | P=0.589 | P=0.126 |
| COCH-ARM / FISHERS | P=0.148 | P=0.613N | P=0.597 | P=0.218 |
| ORDER RESTRICTED | P=0.112 | (e) | (e) | (e) |

TDMS No. 96011-06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

CUMENE

CAS Number: 98-82-8

Pathologist: PIERCE, J. - GRUMBEIN, S.

Date Report Reqsted: 02/27/2006

Time Report Reqsted: 15:32:52

First Dose M/F: 06/11/01 / 06/11/01

Lab: BNW

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
TERMINAL SACRIFICE AT 105 WEEKS

| DOSE | Males | | | |
|------|---------|---------|---------|----------|
| | CONTROL | 250 PPM | 500 PPM | 1000 PPM |

Tooth Malformation

LESION RATES

| | | | | |
|--------------------|-------------|-----------|------------|------------|
| OVERALL (a) | 14/15 (93%) | 7/8 (88%) | 8/8 (100%) | 6/6 (100%) |
| POLY-3 RATE (b) | 14/15.00 | 7/8.00 | 8/8.00 | 6/6.00 |
| POLY-3 PERCENT (g) | 93.3% | 87.5% | 100% | 100% |
| TERMINAL (d) | 12/13 (92%) | 7/8 (88%) | 7/7 (100%) | 4/4 (100%) |
| FIRST INCIDENCE | 659 | 729 (T) | 723 | 687 |

STATISTICAL TESTS

| | | | | |
|---------------------|---------|----------|----------|---------|
| LIFE TABLE | P=0.243 | P=0.239N | P=0.682N | P=0.479 |
| POLY 3 | P=0.384 | P=0.615N | P=0.624 | P=0.680 |
| POLY 1.5 | P=0.384 | P=0.615N | P=0.624 | P=0.680 |
| POLY 6 | P=0.384 | P=0.615N | P=0.624 | P=0.680 |
| LOGISTIC REGRESSION | (e) | P=0.239N | (e) | (e) |
| COCH-ARM / FISHERS | P=0.380 | P=0.585N | P=0.652 | P=0.714 |
| ORDER RESTRICTED | P=0.390 | (e) | (e) | (e) |

TDMS No. 96011-06
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 CUMENE
 CAS Number: 98-82-8
 Pathologist: PIERCE, J. - GRUMBEIN, S.

Date Report Reqsted: 02/27/2006
 Time Report Reqsted: 15:32:52
 First Dose M/F: 06/11/01 / 06/11/01
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 105 WEEKS**

| DOSE | Males | | | |
|------|---------|---------|---------|----------|
| | CONTROL | 250 PPM | 500 PPM | 1000 PPM |

Trachea
 Inflammation

LESION RATES

| | | | | |
|--------------------|-----------|-----------|-----------|-----------|
| OVERALL (a) | 0/50 (0%) | 0/50 (0%) | 0/49 (0%) | 0/50 (0%) |
| POLY-3 RATE (b) | 0/46.42 | 0/44.55 | 0/43.58 | 0/40.05 |
| POLY-3 PERCENT (g) | 0% | 0% | 0% | 0% |
| TERMINAL (d) | 0/38 (0%) | 0/34 (0%) | 0/30 (0%) | 0/23 (0%) |
| FIRST INCIDENCE | --- | --- | --- | --- |

STATISTICAL TESTS

| | | | | |
|---------------------|-----|-----|-----|-----|
| LIFE TABLE | (e) | (e) | (e) | (e) |
| POLY 3 | (e) | (e) | (e) | (e) |
| POLY 1.5 | (e) | (e) | (e) | (e) |
| POLY 6 | (e) | (e) | (e) | (e) |
| LOGISTIC REGRESSION | (e) | (e) | (e) | (e) |
| COCH-ARM / FISHERS | (e) | (e) | (e) | (e) |
| ORDER RESTRICTED | (e) | (e) | (e) | (e) |

TDMS No. 96011-06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

CUMENE

CAS Number: 98-82-8

Pathologist: PIERCE, J. - GRUMBEIN, S.

Date Report Reqsted: 02/27/2006

Time Report Reqsted: 15:32:52

First Dose M/F: 06/11/01 / 06/11/01

Lab: BNW

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
TERMINAL SACRIFICE AT 105 WEEKS

| DOSE | Females | | | |
|------|---------|---------|---------|---------|
| | CONTROL | 125 PPM | 250 PPM | 500 PPM |

Adrenal Cortex
Hyperplasia

LESION RATES

| | | | | |
|--------------------|------------|------------|------------|------------|
| OVERALL (a) | 5/50 (10%) | 7/50 (14%) | 7/50 (14%) | 5/49 (10%) |
| POLY-3 RATE (b) | 5/44.31 | 7/45.00 | 7/46.73 | 5/46.25 |
| POLY-3 PERCENT (g) | 11.3% | 15.6% | 15% | 10.8% |
| TERMINAL (d) | 3/37 (8%) | 6/36 (17%) | 7/39 (18%) | 5/35 (14%) |
| FIRST INCIDENCE | 693 | 687 | 731 (T) | 731 (T) |

STATISTICAL TESTS

| | | | | |
|---------------------|----------|---------|---------|----------|
| LIFE TABLE | P=0.523N | P=0.366 | P=0.417 | P=0.602 |
| POLY 3 | P=0.462N | P=0.390 | P=0.417 | P=0.603N |
| POLY 1.5 | P=0.473N | P=0.393 | P=0.411 | P=0.610N |
| POLY 6 | P=0.458N | P=0.381 | P=0.416 | P=0.603N |
| LOGISTIC REGRESSION | P=0.460N | P=0.379 | P=0.420 | P=0.603N |
| COCH-ARM / FISHERS | P=0.516N | P=0.380 | P=0.380 | P=0.617 |
| ORDER RESTRICTED | P=0.519N | (e) | (e) | (e) |

TDMS No. 96011-06
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 CUMENE
 CAS Number: 98-82-8
 Pathologist: PIERCE, J. - GRUMBEIN, S.

Date Report Requested: 02/27/2006
 Time Report Requested: 15:32:52
 First Dose M/F: 06/11/01 / 06/11/01
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 105 WEEKS**

| DOSE | Females | | | |
|------|---------|---------|---------|---------|
| | CONTROL | 125 PPM | 250 PPM | 500 PPM |

**Adrenal Cortex
 Hypertrophy**

LESION RATES

| | | | | |
|--------------------|-----------|-----------|-----------|------------|
| OVERALL (a) | 2/50 (4%) | 1/50 (2%) | 1/50 (2%) | 6/49 (12%) |
| POLY-3 RATE (b) | 2/44.15 | 1/44.83 | 1/46.73 | 6/46.30 |
| POLY-3 PERCENT (g) | 4.5% | 2.2% | 2.1% | 13% |
| TERMINAL (d) | 2/37 (5%) | 1/36 (3%) | 1/39 (3%) | 5/35 (14%) |
| FIRST INCIDENCE | 731 (T) | 731 (T) | 731 (T) | 718 |

STATISTICAL TESTS

| | | | | |
|---------------------|----------|----------|----------|---------|
| LIFE TABLE | P=0.027* | P=0.510N | P=0.482N | P=0.120 |
| POLY 3 | P=0.032* | P=0.495N | P=0.480N | P=0.149 |
| POLY 1.5 | P=0.031* | P=0.493N | P=0.484N | P=0.144 |
| POLY 6 | P=0.032* | P=0.498N | P=0.479N | P=0.150 |
| LOGISTIC REGRESSION | P=0.031* | P=0.510N | P=0.482N | P=0.136 |
| COCH-ARM / FISHERS | P=0.029* | P=0.500N | P=0.500N | P=0.128 |
| ORDER RESTRICTED | P=0.024* | (e) | (e) | (e) |

TDMS No. 96011-06
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 CUMENE
 CAS Number: 98-82-8
 Pathologist: PIERCE, J. - GRUMBEIN, S.

Date Report Reqsted: 02/27/2006
 Time Report Reqsted: 15:32:52
 First Dose M/F: 06/11/01 / 06/11/01
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 105 WEEKS**

| DOSE | Females | | | |
|------|---------|---------|---------|---------|
| | CONTROL | 125 PPM | 250 PPM | 500 PPM |

**Adrenal Medulla
 Hyperplasia**

LESION RATES

| | | | | |
|--------------------|-----------|------------|-----------|-----------|
| OVERALL (a) | 1/50 (2%) | 4/49 (8%) | 2/50 (4%) | 2/49 (4%) |
| POLY-3 RATE (b) | 1/44.43 | 4/43.83 | 2/47.02 | 2/46.30 |
| POLY-3 PERCENT (g) | 2.3% | 9.1% | 4.3% | 4.3% |
| TERMINAL (d) | 0/37 (0%) | 4/35 (11%) | 1/39 (3%) | 1/35 (3%) |
| FIRST INCIDENCE | 654 | 731 (T) | 651 | 718 |

STATISTICAL TESTS

| | | | | |
|---------------------|----------|---------|---------|---------|
| LIFE TABLE | P=0.573 | P=0.166 | P=0.519 | P=0.506 |
| POLY 3 | P=0.588N | P=0.174 | P=0.520 | P=0.514 |
| POLY 1.5 | P=0.592 | P=0.177 | P=0.516 | P=0.510 |
| POLY 6 | P=0.587N | P=0.169 | P=0.521 | P=0.515 |
| LOGISTIC REGRESSION | P=0.583 | P=0.176 | P=0.476 | P=0.494 |
| COCH-ARM / FISHERS | P=0.563 | P=0.175 | P=0.500 | P=0.492 |
| ORDER RESTRICTED | P=0.344 | (e) | (e) | (e) |

TDMS No. 96011-06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

CUMENE

CAS Number: 98-82-8

Pathologist: PIERCE, J. - GRUMBEIN, S.

Date Report Reqsted: 02/27/2006

Time Report Reqsted: 15:32:52

First Dose M/F: 06/11/01 / 06/11/01

Lab: BNW

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
TERMINAL SACRIFICE AT 105 WEEKS

| DOSE | Females | | | |
|------|---------|---------|---------|---------|
| | CONTROL | 125 PPM | 250 PPM | 500 PPM |

Eye
Cataract

LESION RATES

| | | | | |
|--------------------|-----------|-----------|-----------|-----------|
| OVERALL (a) | 2/49 (4%) | 0/50 (0%) | 1/50 (2%) | 2/49 (4%) |
| POLY-3 RATE (b) | 2/44.08 | 0/44.83 | 1/46.73 | 2/46.27 |
| POLY-3 PERCENT (g) | 4.5% | 0% | 2.1% | 4.3% |
| TERMINAL (d) | 2/37 (5%) | 0/36 (0%) | 1/39 (3%) | 1/35 (3%) |
| FIRST INCIDENCE | 731 (T) | --- | 731 (T) | 726 |

STATISTICAL TESTS

| | | | | |
|---------------------|----------|----------|----------|----------|
| LIFE TABLE | P=0.456 | P=0.244N | P=0.482N | P=0.674 |
| POLY 3 | P=0.484 | P=0.233N | P=0.480N | P=0.676N |
| POLY 1.5 | P=0.479 | P=0.232N | P=0.482N | P=0.680N |
| POLY 6 | P=0.488 | P=0.236N | P=0.479N | P=0.675N |
| LOGISTIC REGRESSION | P=0.473 | (e) | P=0.482N | P=0.695N |
| COCH-ARM / FISHERS | P=0.468 | P=0.242N | P=0.492N | P=0.691N |
| ORDER RESTRICTED | P=0.394N | (e) | (e) | (e) |

TDMS No. 96011-06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

CUMENE

CAS Number: 98-82-8

Pathologist: PIERCE, J. - GRUMBEIN, S.

Date Report Reqsted: 02/27/2006

Time Report Reqsted: 15:32:52

First Dose M/F: 06/11/01 / 06/11/01

Lab: BNW

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
TERMINAL SACRIFICE AT 105 WEEKS

| DOSE | Females | | | |
|------|---------|---------|---------|---------|
| | CONTROL | 125 PPM | 250 PPM | 500 PPM |

Eye: Cornea
Inflammation Chronic

LESION RATES

| | | | | |
|--------------------|-----------|-----------|-----------|-----------|
| OVERALL (a) | 4/49 (8%) | 1/50 (2%) | 1/50 (2%) | 2/49 (4%) |
| POLY-3 RATE (b) | 4/44.23 | 1/44.83 | 1/46.73 | 2/46.49 |
| POLY-3 PERCENT (g) | 9% | 2.2% | 2.1% | 4.3% |
| TERMINAL (d) | 3/37 (8%) | 1/36 (3%) | 1/39 (3%) | 0/35 (0%) |
| FIRST INCIDENCE | 693 | 731 (T) | 731 (T) | 672 |

STATISTICAL TESTS

| | | | | |
|---------------------|----------|----------|----------|----------|
| LIFE TABLE | P=0.313N | P=0.188N | P=0.165N | P=0.341N |
| POLY 3 | P=0.300N | P=0.174N | P=0.162N | P=0.314N |
| POLY 1.5 | P=0.305N | P=0.172N | P=0.164N | P=0.319N |
| POLY 6 | P=0.296N | P=0.179N | P=0.162N | P=0.312N |
| LOGISTIC REGRESSION | P=0.295N | P=0.178N | P=0.161N | P=0.321N |
| COCH-ARM / FISHERS | P=0.314N | P=0.175N | P=0.175N | P=0.339N |
| ORDER RESTRICTED | P=0.118N | (e) | (e) | (e) |

TDMS No. 96011-06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

CUMENE

CAS Number: 98-82-8

Pathologist: PIERCE, J. - GRUMBEIN, S.

Date Report Reqsted: 02/27/2006

Time Report Reqsted: 15:32:52

First Dose M/F: 06/11/01 / 06/11/01

Lab: BNW

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
TERMINAL SACRIFICE AT 105 WEEKS

| DOSE | Females | | | |
|------|---------|---------|---------|---------|
| | CONTROL | 125 PPM | 250 PPM | 500 PPM |

Harderian Gland
Hyperplasia

LESION RATES

| | | | | |
|--------------------|------------|-----------|-----------|-----------|
| OVERALL (a) | 6/50 (12%) | 2/49 (4%) | 1/50 (2%) | 1/50 (2%) |
| POLY-3 RATE (b) | 6/44.15 | 2/43.90 | 1/46.87 | 1/47.05 |
| POLY-3 PERCENT (g) | 13.6% | 4.6% | 2.1% | 2.1% |
| TERMINAL (d) | 6/37 (16%) | 2/36 (6%) | 0/39 (0%) | 1/35 (3%) |
| FIRST INCIDENCE | 731 (T) | 731 (T) | 694 | 731 (T) |

STATISTICAL TESTS

| | | | | |
|---------------------|------------|----------|-----------|-----------|
| LIFE TABLE | P=0.032N* | P=0.141N | P=0.051N | P=0.066N |
| POLY 3 | P=0.026N* | P=0.134N | P=0.047N* | P=0.046N* |
| POLY 1.5 | P=0.027N* | P=0.133N | P=0.049N* | P=0.048N* |
| POLY 6 | P=0.025N* | P=0.137N | P=0.046N* | P=0.046N* |
| LOGISTIC REGRESSION | P=0.026N* | P=0.141N | P=0.049N* | P=0.066N |
| COCH-ARM / FISHERS | P=0.031N* | P=0.141N | P=0.056N | P=0.056N |
| ORDER RESTRICTED | P=0.010N** | (e) | (e) | (e) |

TDMS No. 96011-06
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 CUMENE
 CAS Number: 98-82-8
 Pathologist: PIERCE, J. - GRUMBEIN, S.

Date Report Requested: 02/27/2006
 Time Report Requested: 15:32:52
 First Dose M/F: 06/11/01 / 06/11/01
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 105 WEEKS**

| DOSE | Females | | | |
|------|---------|---------|---------|---------|
| | CONTROL | 125 PPM | 250 PPM | 500 PPM |

**Heart
 Cardiomyopathy**

LESION RATES

| | | | | |
|--------------------|-------------|-------------|------------|------------|
| OVERALL (a) | 12/50 (24%) | 17/50 (34%) | 6/50 (12%) | 7/50 (14%) |
| POLY-3 RATE (b) | 12/44.15 | 17/44.92 | 6/47.78 | 7/47.82 |
| POLY-3 PERCENT (g) | 27.2% | 37.8% | 12.6% | 14.6% |
| TERMINAL (d) | 12/37 (32%) | 15/36 (42%) | 4/39 (10%) | 5/35 (14%) |
| FIRST INCIDENCE | 731 (T) | 712 | 509 | 513 |

STATISTICAL TESTS

| | | | | |
|---------------------|-----------|---------|----------|----------|
| LIFE TABLE | P=0.039N* | P=0.160 | P=0.077N | P=0.178N |
| POLY 3 | P=0.017N* | P=0.197 | P=0.065N | P=0.109N |
| POLY 1.5 | P=0.021N* | P=0.203 | P=0.072N | P=0.119N |
| POLY 6 | P=0.015N* | P=0.186 | P=0.059N | P=0.103N |
| LOGISTIC REGRESSION | P=0.023N* | P=0.166 | P=0.080N | P=0.121N |
| COCH-ARM / FISHERS | P=0.034N* | P=0.189 | P=0.096N | P=0.154N |
| ORDER RESTRICTED | P=0.018N* | (e) | (e) | (e) |

TDMS No. 96011-06
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 CUMENE
 CAS Number: 98-82-8
 Pathologist: PIERCE, J. - GRUMBEIN, S.

Date Report Reqsted: 02/27/2006
 Time Report Reqsted: 15:32:52
 First Dose M/F: 06/11/01 / 06/11/01
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 105 WEEKS**

| DOSE | Females | | | |
|------|---------|---------|---------|---------|
| | CONTROL | 125 PPM | 250 PPM | 500 PPM |

**Heart
 Inflammation Acute**

LESION RATES

| | | | | |
|--------------------|-----------|-----------|-----------|-----------|
| OVERALL (a) | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) |
| POLY-3 RATE (b) | 0/44.15 | 0/44.83 | 0/46.73 | 0/47.05 |
| POLY-3 PERCENT (g) | 0% | 0% | 0% | 0% |
| TERMINAL (d) | 0/37 (0%) | 0/36 (0%) | 0/39 (0%) | 0/35 (0%) |
| FIRST INCIDENCE | --- | --- | --- | --- |

STATISTICAL TESTS

| | | | | |
|---------------------|-----|-----|-----|-----|
| LIFE TABLE | (e) | (e) | (e) | (e) |
| POLY 3 | (e) | (e) | (e) | (e) |
| POLY 1.5 | (e) | (e) | (e) | (e) |
| POLY 6 | (e) | (e) | (e) | (e) |
| LOGISTIC REGRESSION | (e) | (e) | (e) | (e) |
| COCH-ARM / FISHERS | (e) | (e) | (e) | (e) |
| ORDER RESTRICTED | (e) | (e) | (e) | (e) |

TDMS No. 96011-06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

CUMENE

CAS Number: 98-82-8

Pathologist: PIERCE, J. - GRUMBEIN, S.

Date Report Reqsted: 02/27/2006

Time Report Reqsted: 15:32:52

First Dose M/F: 06/11/01 / 06/11/01

Lab: BNW

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
TERMINAL SACRIFICE AT 105 WEEKS

| DOSE | Females | | | |
|------|---------|---------|---------|---------|
| | CONTROL | 125 PPM | 250 PPM | 500 PPM |

Heart
Thrombosis

LESION RATES

| | | | | |
|--------------------|-----------|-----------|-----------|-----------|
| OVERALL (a) | 0/50 (0%) | 1/50 (2%) | 0/50 (0%) | 0/50 (0%) |
| POLY-3 RATE (b) | 0/44.15 | 1/45.17 | 0/46.73 | 0/47.05 |
| POLY-3 PERCENT (g) | 0% | 2.2% | 0% | 0% |
| TERMINAL (d) | 0/37 (0%) | 0/36 (0%) | 0/39 (0%) | 0/35 (0%) |
| FIRST INCIDENCE | --- | 636 | --- | --- |

STATISTICAL TESTS

| | | | | |
|---------------------|----------|---------|-----|-----|
| LIFE TABLE | P=0.553N | P=0.500 | (e) | (e) |
| POLY 3 | P=0.559N | P=0.505 | (e) | (e) |
| POLY 1.5 | P=0.560N | P=0.505 | (e) | (e) |
| POLY 6 | P=0.559N | P=0.504 | (e) | (e) |
| LOGISTIC REGRESSION | P=0.630N | P=0.477 | (e) | (e) |
| COCH-ARM / FISHERS | P=0.567N | P=0.500 | (e) | (e) |
| ORDER RESTRICTED | P=0.374N | (e) | (e) | (e) |

TDMS No. 96011-06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

CUMENE

CAS Number: 98-82-8

Pathologist: PIERCE, J. - GRUMBEIN, S.

Date Report Reqsted: 02/27/2006

Time Report Reqsted: 15:32:52

First Dose M/F: 06/11/01 / 06/11/01

Lab: BNW

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
TERMINAL SACRIFICE AT 105 WEEKS

| DOSE | Females | | | |
|------|---------|---------|---------|---------|
| | CONTROL | 125 PPM | 250 PPM | 500 PPM |

Islets, Pancreatic
Hyperplasia

LESION RATES

| | | | | |
|--------------------|-----------|-----------|-----------|-----------|
| OVERALL (a) | 1/49 (2%) | 1/50 (2%) | 2/50 (4%) | 3/50 (6%) |
| POLY-3 RATE (b) | 1/44.08 | 1/44.83 | 2/46.73 | 3/47.05 |
| POLY-3 PERCENT (g) | 2.3% | 2.2% | 4.3% | 6.4% |
| TERMINAL (d) | 1/37 (3%) | 1/36 (3%) | 2/39 (5%) | 3/35 (9%) |
| FIRST INCIDENCE | 731 (T) | 731 (T) | 731 (T) | 731 (T) |

STATISTICAL TESTS

| | | | | |
|---------------------|---------|----------|---------|---------|
| LIFE TABLE | P=0.151 | P=0.756 | P=0.518 | P=0.285 |
| POLY 3 | P=0.184 | P=0.757N | P=0.520 | P=0.329 |
| POLY 1.5 | P=0.180 | P=0.755N | P=0.518 | P=0.326 |
| POLY 6 | P=0.185 | P=0.760N | P=0.521 | P=0.329 |
| LOGISTIC REGRESSION | P=0.151 | P=0.756 | P=0.518 | P=0.285 |
| COCH-ARM / FISHERS | P=0.168 | P=0.747N | P=0.508 | P=0.316 |
| ORDER RESTRICTED | P=0.244 | (e) | (e) | (e) |

TDMS No. 96011-06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

CUMENE

CAS Number: 98-82-8

Pathologist: PIERCE, J. - GRUMBEIN, S.

Date Report Reqsted: 02/27/2006

Time Report Reqsted: 15:32:52

First Dose M/F: 06/11/01 / 06/11/01

Lab: BNW

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
TERMINAL SACRIFICE AT 105 WEEKS

| DOSE | Females | | | |
|------|---------|---------|---------|---------|
| | CONTROL | 125 PPM | 250 PPM | 500 PPM |

Kidney
Infarct

LESION RATES

| | | | | |
|--------------------|-----------|-----------|-----------|-----------|
| OVERALL (a) | 1/49 (2%) | 3/50 (6%) | 2/50 (4%) | 1/50 (2%) |
| POLY-3 RATE (b) | 1/44.08 | 3/44.83 | 2/46.73 | 1/47.05 |
| POLY-3 PERCENT (g) | 2.3% | 6.7% | 4.3% | 2.1% |
| TERMINAL (d) | 1/37 (3%) | 3/36 (8%) | 2/39 (5%) | 1/35 (3%) |
| FIRST INCIDENCE | 731 (T) | 731 (T) | 731 (T) | 731 (T) |

STATISTICAL TESTS

| | | | | |
|---------------------|----------|---------|---------|----------|
| LIFE TABLE | P=0.490N | P=0.295 | P=0.518 | P=0.749 |
| POLY 3 | P=0.446N | P=0.311 | P=0.520 | P=0.746N |
| POLY 1.5 | P=0.450N | P=0.314 | P=0.518 | P=0.748N |
| POLY 6 | P=0.445N | P=0.307 | P=0.521 | P=0.746N |
| LOGISTIC REGRESSION | P=0.490N | P=0.295 | P=0.518 | P=0.749 |
| COCH-ARM / FISHERS | P=0.468N | P=0.316 | P=0.508 | P=0.747N |
| ORDER RESTRICTED | P=0.442N | (e) | (e) | (e) |

TDMS No. 96011-06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

CUMENE

CAS Number: 98-82-8

Pathologist: PIERCE, J. - GRUMBEIN, S.

Date Report Reqsted: 02/27/2006

Time Report Reqsted: 15:32:52

First Dose M/F: 06/11/01 / 06/11/01

Lab: BNW

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
TERMINAL SACRIFICE AT 105 WEEKS

| DOSE | Females | | | |
|------|---------|---------|---------|---------|
| | CONTROL | 125 PPM | 250 PPM | 500 PPM |

Kidney
Metaplasia Osseous

LESION RATES

| | | | | |
|--------------------|-----------|-----------|-----------|-----------|
| OVERALL (a) | 2/49 (4%) | 3/50 (6%) | 1/50 (2%) | 0/50 (0%) |
| POLY-3 RATE (b) | 2/44.08 | 3/44.83 | 1/46.73 | 0/47.05 |
| POLY-3 PERCENT (g) | 4.5% | 6.7% | 2.1% | 0% |
| TERMINAL (d) | 2/37 (5%) | 3/36 (8%) | 1/39 (3%) | 0/35 (0%) |
| FIRST INCIDENCE | 731 (T) | 731 (T) | 731 (T) | --- |

STATISTICAL TESTS

| | | | | |
|---------------------|----------|---------|----------|----------|
| LIFE TABLE | P=0.107N | P=0.487 | P=0.482N | P=0.251N |
| POLY 3 | P=0.093N | P=0.508 | P=0.480N | P=0.223N |
| POLY 1.5 | P=0.095N | P=0.511 | P=0.482N | P=0.225N |
| POLY 6 | P=0.092N | P=0.502 | P=0.479N | P=0.223N |
| LOGISTIC REGRESSION | P=0.107N | P=0.487 | P=0.482N | (e) |
| COCH-ARM / FISHERS | P=0.101N | P=0.510 | P=0.492N | P=0.242N |
| ORDER RESTRICTED | P=0.101N | (e) | (e) | (e) |

TDMS No. 96011-06
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 CUMENE
 CAS Number: 98-82-8
 Pathologist: PIERCE, J. - GRUMBEIN, S.

Date Report Reqsted: 02/27/2006
 Time Report Reqsted: 15:32:52
 First Dose M/F: 06/11/01 / 06/11/01
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 105 WEEKS**

| DOSE | Females | | | |
|------|---------|---------|---------|---------|
| | CONTROL | 125 PPM | 250 PPM | 500 PPM |

**Kidney
 Mineralization**

LESION RATES

| | | | | |
|--------------------|-----------|-----------|-----------|-----------|
| OVERALL (a) | 0/49 (0%) | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) |
| POLY-3 RATE (b) | 0/44.08 | 0/44.83 | 0/46.73 | 0/47.05 |
| POLY-3 PERCENT (g) | 0% | 0% | 0% | 0% |
| TERMINAL (d) | 0/37 (0%) | 0/36 (0%) | 0/39 (0%) | 0/35 (0%) |
| FIRST INCIDENCE | --- | --- | --- | --- |

STATISTICAL TESTS

| | | | | |
|---------------------|-----|-----|-----|-----|
| LIFE TABLE | (e) | (e) | (e) | (e) |
| POLY 3 | (e) | (e) | (e) | (e) |
| POLY 1.5 | (e) | (e) | (e) | (e) |
| POLY 6 | (e) | (e) | (e) | (e) |
| LOGISTIC REGRESSION | (e) | (e) | (e) | (e) |
| COCH-ARM / FISHERS | (e) | (e) | (e) | (e) |
| ORDER RESTRICTED | (e) | (e) | (e) | (e) |

TDMS No. 96011-06
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 CUMENE
 CAS Number: 98-82-8
 Pathologist: PIERCE, J. - GRUMBEIN, S.

Date Report Requested: 02/27/2006
 Time Report Requested: 15:32:52
 First Dose M/F: 06/11/01 / 06/11/01
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 105 WEEKS**

| DOSE | Females | | | |
|------|---------|---------|---------|---------|
| | CONTROL | 125 PPM | 250 PPM | 500 PPM |

**Kidney
 Nephropathy**

LESION RATES

| | | | | |
|--------------------|-------------|-------------|-------------|-------------|
| OVERALL (a) | 36/49 (73%) | 34/50 (68%) | 34/50 (68%) | 34/50 (68%) |
| POLY-3 RATE (b) | 36/46.93 | 34/46.99 | 34/48.27 | 34/49.14 |
| POLY-3 PERCENT (g) | 76.7% | 72.4% | 70.4% | 69.2% |
| TERMINAL (d) | 29/37 (78%) | 27/36 (75%) | 28/39 (72%) | 27/35 (77%) |
| FIRST INCIDENCE | 281 | 481 | 495 | 513 |

STATISTICAL TESTS

| | | | | |
|---------------------|----------|----------|----------|----------|
| LIFE TABLE | P=0.453N | P=0.483N | P=0.289N | P=0.497N |
| POLY 3 | P=0.243N | P=0.401N | P=0.320N | P=0.272N |
| POLY 1.5 | P=0.269N | P=0.369N | P=0.316N | P=0.287N |
| POLY 6 | P=0.230N | P=0.439N | P=0.334N | P=0.269N |
| LOGISTIC REGRESSION | P=0.262N | P=0.332N | P=0.290N | P=0.311N |
| COCH-ARM / FISHERS | P=0.350N | P=0.353N | P=0.353N | P=0.353N |
| ORDER RESTRICTED | P=0.319N | (e) | (e) | (e) |

TDMS No. 96011-06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

CUMENE

CAS Number: 98-82-8

Pathologist: PIERCE, J. - GRUMBEIN, S.

Date Report Reqsted: 02/27/2006

Time Report Reqsted: 15:32:52

First Dose M/F: 06/11/01 / 06/11/01

Lab: BNW

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
TERMINAL SACRIFICE AT 105 WEEKS

| DOSE | Females | | | |
|------|---------|---------|---------|---------|
| | CONTROL | 125 PPM | 250 PPM | 500 PPM |

Kidney: Renal Tubule
Hyperplasia

LESION RATES

| | | | | |
|--------------------|-----------|-----------|-----------|-----------|
| OVERALL (a) | 0/49 (0%) | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) |
| POLY-3 RATE (b) | 0/44.08 | 0/44.83 | 0/46.73 | 0/47.05 |
| POLY-3 PERCENT (g) | 0% | 0% | 0% | 0% |
| TERMINAL (d) | 0/37 (0%) | 0/36 (0%) | 0/39 (0%) | 0/35 (0%) |
| FIRST INCIDENCE | --- | --- | --- | --- |

STATISTICAL TESTS

| | | | | |
|---------------------|-----|-----|-----|-----|
| LIFE TABLE | (e) | (e) | (e) | (e) |
| POLY 3 | (e) | (e) | (e) | (e) |
| POLY 1.5 | (e) | (e) | (e) | (e) |
| POLY 6 | (e) | (e) | (e) | (e) |
| LOGISTIC REGRESSION | (e) | (e) | (e) | (e) |
| COCH-ARM / FISHERS | (e) | (e) | (e) | (e) |
| ORDER RESTRICTED | (e) | (e) | (e) | (e) |

TDMS No. 96011-06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

CUMENE

CAS Number: 98-82-8

Pathologist: PIERCE, J. - GRUMBEIN, S.

Date Report Reqsted: 02/27/2006

Time Report Reqsted: 15:32:52

First Dose M/F: 06/11/01 / 06/11/01

Lab: BNW

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
TERMINAL SACRIFICE AT 105 WEEKS

| DOSE | Females | | | |
|------|---------|---------|---------|---------|
| | CONTROL | 125 PPM | 250 PPM | 500 PPM |

Kidney: Renal Tubule
Necrosis

LESION RATES

| | | | | |
|--------------------|-----------|-----------|-----------|-----------|
| OVERALL (a) | 3/49 (6%) | 1/50 (2%) | 0/50 (0%) | 1/50 (2%) |
| POLY-3 RATE (b) | 3/45.27 | 1/45.54 | 0/46.73 | 1/47.07 |
| POLY-3 PERCENT (g) | 6.6% | 2.2% | 0% | 2.1% |
| TERMINAL (d) | 0/37 (0%) | 0/36 (0%) | 0/39 (0%) | 0/35 (0%) |
| FIRST INCIDENCE | 193 | 481 | --- | 726 |

STATISTICAL TESTS

| | | | | |
|---------------------|----------|----------|----------|----------|
| LIFE TABLE | P=0.199N | P=0.309N | P=0.118N | P=0.311N |
| POLY 3 | P=0.192N | P=0.303N | P=0.113N | P=0.291N |
| POLY 1.5 | P=0.193N | P=0.300N | P=0.113N | P=0.293N |
| POLY 6 | P=0.191N | P=0.307N | P=0.113N | P=0.293N |
| LOGISTIC REGRESSION | P=0.407N | P=0.412N | P=0.216N | P=0.477N |
| COCH-ARM / FISHERS | P=0.196N | P=0.301N | P=0.117N | P=0.301N |
| ORDER RESTRICTED | P=0.074N | (e) | (e) | (e) |

TDMS No. 96011-06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

CUMENE

CAS Number: 98-82-8

Pathologist: PIERCE, J. - GRUMBEIN, S.

Date Report Reqsted: 02/27/2006

Time Report Reqsted: 15:32:52

First Dose M/F: 06/11/01 / 06/11/01

Lab: BNW

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
TERMINAL SACRIFICE AT 105 WEEKS

| DOSE | Females | | | |
|------|---------|---------|---------|---------|
| | CONTROL | 125 PPM | 250 PPM | 500 PPM |

Liver
Angiectasis

LESION RATES

| | | | | |
|--------------------|-----------|-----------|-----------|-----------|
| OVERALL (a) | 0/50 (0%) | 1/50 (2%) | 1/50 (2%) | 0/50 (0%) |
| POLY-3 RATE (b) | 0/44.15 | 1/45.07 | 1/46.73 | 0/47.05 |
| POLY-3 PERCENT (g) | 0% | 2.2% | 2.1% | 0% |
| TERMINAL (d) | 0/37 (0%) | 0/36 (0%) | 1/39 (3%) | 0/35 (0%) |
| FIRST INCIDENCE | --- | 668 | 731 (T) | --- |

STATISTICAL TESTS

| | | | | |
|---------------------|----------|---------|---------|-----|
| LIFE TABLE | P=0.583N | P=0.500 | P=0.511 | (e) |
| POLY 3 | P=0.576N | P=0.504 | P=0.511 | (e) |
| POLY 1.5 | P=0.580N | P=0.504 | P=0.509 | (e) |
| POLY 6 | P=0.576N | P=0.503 | P=0.512 | (e) |
| LOGISTIC REGRESSION | P=0.599N | P=0.492 | P=0.511 | (e) |
| COCH-ARM / FISHERS | P=0.595N | P=0.500 | P=0.500 | (e) |
| ORDER RESTRICTED | P=0.398N | (e) | (e) | (e) |

TDMS No. 96011-06
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 CUMENE
 CAS Number: 98-82-8
 Pathologist: PIERCE, J. - GRUMBEIN, S.

Date Report Requested: 02/27/2006
 Time Report Requested: 15:32:52
 First Dose M/F: 06/11/01 / 06/11/01
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 105 WEEKS**

| DOSE | Females | | | |
|------|---------|---------|---------|---------|
| | CONTROL | 125 PPM | 250 PPM | 500 PPM |

Liver
 Basophilic Focus

LESION RATES

| | | | | |
|--------------------|-----------|-----------|------------|-----------|
| OVERALL (a) | 3/50 (6%) | 3/50 (6%) | 4/50 (8%) | 1/50 (2%) |
| POLY-3 RATE (b) | 3/44.15 | 3/45.51 | 4/46.73 | 1/47.05 |
| POLY-3 PERCENT (g) | 6.8% | 6.6% | 8.6% | 2.1% |
| TERMINAL (d) | 3/37 (8%) | 2/36 (6%) | 4/39 (10%) | 1/35 (3%) |
| FIRST INCIDENCE | 731 (T) | 499 | 731 (T) | 731 (T) |

STATISTICAL TESTS

| | | | | |
|---------------------|----------|----------|---------|----------|
| LIFE TABLE | P=0.258N | P=0.653 | P=0.529 | P=0.325N |
| POLY 3 | P=0.222N | P=0.648N | P=0.531 | P=0.283N |
| POLY 1.5 | P=0.227N | P=0.649N | P=0.525 | P=0.287N |
| POLY 6 | P=0.219N | P=0.651N | P=0.533 | P=0.282N |
| LOGISTIC REGRESSION | P=0.233N | P=0.663N | P=0.529 | P=0.325N |
| COCH-ARM / FISHERS | P=0.248N | P=0.661N | P=0.500 | P=0.309N |
| ORDER RESTRICTED | P=0.237N | (e) | (e) | (e) |

TDMS No. 96011-06
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 CUMENE
 CAS Number: 98-82-8
 Pathologist: PIERCE, J. - GRUMBEIN, S.

Date Report Requested: 02/27/2006
 Time Report Requested: 15:32:52
 First Dose M/F: 06/11/01 / 06/11/01
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 105 WEEKS**

| DOSE | Females | | | |
|------|---------|---------|---------|---------|
| | CONTROL | 125 PPM | 250 PPM | 500 PPM |

Liver
 Clear Cell Focus

LESION RATES

| | | | | |
|--------------------|-----------|------------|-----------|------------|
| OVERALL (a) | 4/50 (8%) | 6/50 (12%) | 1/50 (2%) | 5/50 (10%) |
| POLY-3 RATE (b) | 4/44.42 | 6/45.63 | 1/46.73 | 5/47.16 |
| POLY-3 PERCENT (g) | 9% | 13.2% | 2.1% | 10.6% |
| TERMINAL (d) | 3/37 (8%) | 4/36 (11%) | 1/39 (3%) | 4/35 (11%) |
| FIRST INCIDENCE | 656 | 555 | 731 (T) | 702 |

STATISTICAL TESTS

| | | | | |
|---------------------|----------|---------|----------|---------|
| LIFE TABLE | P=0.569 | P=0.362 | P=0.165N | P=0.488 |
| POLY 3 | P=0.541N | P=0.386 | P=0.164N | P=0.537 |
| POLY 1.5 | P=0.546N | P=0.386 | P=0.166N | P=0.531 |
| POLY 6 | P=0.541N | P=0.383 | P=0.164N | P=0.537 |
| LOGISTIC REGRESSION | P=0.550N | P=0.375 | P=0.164N | P=0.539 |
| COCH-ARM / FISHERS | P=0.570 | P=0.370 | P=0.181N | P=0.500 |
| ORDER RESTRICTED | P=0.337N | (e) | (e) | (e) |

TDMS No. 96011-06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

CUMENE

CAS Number: 98-82-8

Pathologist: PIERCE, J. - GRUMBEIN, S.

Date Report Reqsted: 02/27/2006

Time Report Reqsted: 15:32:52

First Dose M/F: 06/11/01 / 06/11/01

Lab: BNW

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
TERMINAL SACRIFICE AT 105 WEEKS

| DOSE | Females | | | |
|------|---------|---------|---------|---------|
| | CONTROL | 125 PPM | 250 PPM | 500 PPM |

Liver
Eosinophilic Focus

LESION RATES

| | | | | |
|--------------------|------------|-------------|------------|-------------|
| OVERALL (a) | 8/50 (16%) | 11/50 (22%) | 7/50 (14%) | 14/50 (28%) |
| POLY-3 RATE (b) | 8/44.15 | 11/45.39 | 7/47.12 | 14/47.36 |
| POLY-3 PERCENT (g) | 18.1% | 24.2% | 14.9% | 29.6% |
| TERMINAL (d) | 8/37 (22%) | 10/36 (28%) | 6/39 (15%) | 11/35 (31%) |
| FIRST INCIDENCE | 731 (T) | 555 | 618 | 677 |

STATISTICAL TESTS

| | | | | |
|---------------------|---------|---------|----------|---------|
| LIFE TABLE | P=0.100 | P=0.281 | P=0.454N | P=0.093 |
| POLY 3 | P=0.150 | P=0.327 | P=0.445N | P=0.150 |
| POLY 1.5 | P=0.141 | P=0.327 | P=0.457N | P=0.141 |
| POLY 6 | P=0.154 | P=0.322 | P=0.438N | P=0.153 |
| LOGISTIC REGRESSION | P=0.155 | P=0.308 | P=0.450N | P=0.135 |
| COCH-ARM / FISHERS | P=0.116 | P=0.306 | P=0.500N | P=0.114 |
| ORDER RESTRICTED | P=0.143 | (e) | (e) | (e) |

TDMS No. 96011-06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

CUMENE

CAS Number: 98-82-8

Pathologist: PIERCE, J. - GRUMBEIN, S.

Date Report Reqsted: 02/27/2006

Time Report Reqsted: 15:32:52

First Dose M/F: 06/11/01 / 06/11/01

Lab: BNW

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
TERMINAL SACRIFICE AT 105 WEEKS

| DOSE | Females | | | |
|------|---------|---------|---------|---------|
| | CONTROL | 125 PPM | 250 PPM | 500 PPM |

Liver
Mixed Cell Focus

LESION RATES

| | | | | |
|--------------------|-----------|-----------|-----------|-----------|
| OVERALL (a) | 0/50 (0%) | 1/50 (2%) | 0/50 (0%) | 1/50 (2%) |
| POLY-3 RATE (b) | 0/44.15 | 1/44.83 | 0/46.73 | 1/47.05 |
| POLY-3 PERCENT (g) | 0% | 2.2% | 0% | 2.1% |
| TERMINAL (d) | 0/37 (0%) | 1/36 (3%) | 0/39 (0%) | 1/35 (3%) |
| FIRST INCIDENCE | --- | 731 (T) | --- | 731 (T) |

STATISTICAL TESTS

| | | | | |
|---------------------|---------|---------|-----|---------|
| LIFE TABLE | P=0.396 | P=0.495 | (e) | P=0.489 |
| POLY 3 | P=0.424 | P=0.503 | (e) | P=0.513 |
| POLY 1.5 | P=0.420 | P=0.504 | (e) | P=0.510 |
| POLY 6 | P=0.424 | P=0.501 | (e) | P=0.513 |
| LOGISTIC REGRESSION | (e) | P=0.495 | (e) | P=0.489 |
| COCH-ARM / FISHERS | P=0.405 | P=0.500 | (e) | P=0.500 |
| ORDER RESTRICTED | P=0.264 | (e) | (e) | (e) |

TDMS No. 96011-06
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 CUMENE
 CAS Number: 98-82-8
 Pathologist: PIERCE, J. - GRUMBEIN, S.

Date Report Reqsted: 02/27/2006
 Time Report Reqsted: 15:32:52
 First Dose M/F: 06/11/01 / 06/11/01
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 105 WEEKS**

| DOSE | Females | | | |
|------|---------|---------|---------|---------|
| | CONTROL | 125 PPM | 250 PPM | 500 PPM |

Liver
 Necrosis

LESION RATES

| | | | | |
|--------------------|-----------|-----------|-----------|-----------|
| OVERALL (a) | 4/50 (8%) | 3/50 (6%) | 3/50 (6%) | 2/50 (4%) |
| POLY-3 RATE (b) | 4/45.37 | 3/46.21 | 3/47.50 | 2/47.72 |
| POLY-3 PERCENT (g) | 8.8% | 6.5% | 6.3% | 4.2% |
| TERMINAL (d) | 2/37 (5%) | 0/36 (0%) | 1/39 (3%) | 0/35 (0%) |
| FIRST INCIDENCE | 292 | 370 | 495 | 513 |

STATISTICAL TESTS

| | | | | |
|---------------------|----------|----------|----------|----------|
| LIFE TABLE | P=0.264N | P=0.500N | P=0.473N | P=0.338N |
| POLY 3 | P=0.254N | P=0.490N | P=0.475N | P=0.314N |
| POLY 1.5 | P=0.259N | P=0.489N | P=0.480N | P=0.319N |
| POLY 6 | P=0.252N | P=0.493N | P=0.473N | P=0.314N |
| LOGISTIC REGRESSION | P=0.545N | P=0.628N | P=0.661N | P=0.520N |
| COCH-ARM / FISHERS | P=0.273N | P=0.500N | P=0.500N | P=0.339N |
| ORDER RESTRICTED | P=0.292N | (e) | (e) | (e) |

TDMS No. 96011-06
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 CUMENE
 CAS Number: 98-82-8
 Pathologist: PIERCE, J. - GRUMBEIN, S.

Date Report Reqsted: 02/27/2006
 Time Report Reqsted: 15:32:52
 First Dose M/F: 06/11/01 / 06/11/01
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 105 WEEKS**

| DOSE | Females | | | |
|------|---------|---------|---------|---------|
| | CONTROL | 125 PPM | 250 PPM | 500 PPM |

Liver
 Tension Lipidosis

LESION RATES

| | | | | |
|--------------------|-----------|-----------|------------|-----------|
| OVERALL (a) | 3/50 (6%) | 3/50 (6%) | 4/50 (8%) | 4/50 (8%) |
| POLY-3 RATE (b) | 3/44.42 | 3/45.39 | 4/46.73 | 4/47.16 |
| POLY-3 PERCENT (g) | 6.8% | 6.6% | 8.6% | 8.5% |
| TERMINAL (d) | 2/37 (5%) | 2/36 (6%) | 4/39 (10%) | 3/35 (9%) |
| FIRST INCIDENCE | 656 | 555 | 731 (T) | 702 |

STATISTICAL TESTS

| | | | | |
|---------------------|---------|----------|---------|---------|
| LIFE TABLE | P=0.384 | P=0.654 | P=0.530 | P=0.495 |
| POLY 3 | P=0.425 | P=0.652N | P=0.527 | P=0.533 |
| POLY 1.5 | P=0.418 | P=0.651N | P=0.523 | P=0.527 |
| POLY 6 | P=0.427 | P=0.657N | P=0.527 | P=0.532 |
| LOGISTIC REGRESSION | P=0.411 | P=0.662 | P=0.531 | P=0.530 |
| COCH-ARM / FISHERS | P=0.389 | P=0.661N | P=0.500 | P=0.500 |
| ORDER RESTRICTED | P=0.581 | (e) | (e) | (e) |

TDMS No. 96011-06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

CUMENE

CAS Number: 98-82-8

Pathologist: PIERCE, J. - GRUMBEIN, S.

Date Report Reqsted: 02/27/2006

Time Report Reqsted: 15:32:52

First Dose M/F: 06/11/01 / 06/11/01

Lab: BNW

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
TERMINAL SACRIFICE AT 105 WEEKS

| DOSE | Females | | | |
|------|---------|---------|---------|---------|
| | CONTROL | 125 PPM | 250 PPM | 500 PPM |

Liver: Centrilobular
Necrosis

LESION RATES

| | | | | |
|--------------------|-----------|-----------|-----------|-----------|
| OVERALL (a) | 2/50 (4%) | 1/50 (2%) | 0/50 (0%) | 1/50 (2%) |
| POLY-3 RATE (b) | 2/44.32 | 1/45.25 | 0/46.73 | 1/47.31 |
| POLY-3 PERCENT (g) | 4.5% | 2.2% | 0% | 2.1% |
| TERMINAL (d) | 0/37 (0%) | 0/36 (0%) | 0/39 (0%) | 0/35 (0%) |
| FIRST INCIDENCE | 691 | 609 | --- | 662 |

STATISTICAL TESTS

| | | | | |
|---------------------|----------|----------|----------|----------|
| LIFE TABLE | P=0.347N | P=0.501N | P=0.232N | P=0.480N |
| POLY 3 | P=0.361N | P=0.493N | P=0.226N | P=0.477N |
| POLY 1.5 | P=0.362N | P=0.492N | P=0.228N | P=0.482N |
| POLY 6 | P=0.359N | P=0.496N | P=0.226N | P=0.476N |
| LOGISTIC REGRESSION | P=0.409N | P=0.509N | P=0.230N | P=0.509N |
| COCH-ARM / FISHERS | P=0.366N | P=0.500N | P=0.247N | P=0.500N |
| ORDER RESTRICTED | P=0.205N | (e) | (e) | (e) |

TDMS No. 96011-06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

CUMENE

CAS Number: 98-82-8

Pathologist: PIERCE, J. - GRUMBEIN, S.

Date Report Reqsted: 02/27/2006

Time Report Reqsted: 15:32:52

First Dose M/F: 06/11/01 / 06/11/01

Lab: BNW

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
TERMINAL SACRIFICE AT 105 WEEKS

| DOSE | Females | | | |
|------|---------|---------|---------|---------|
| | CONTROL | 125 PPM | 250 PPM | 500 PPM |

Lung
Hemorrhage

LESION RATES

| | | | | |
|--------------------|-----------|-----------|-----------|-----------|
| OVERALL (a) | 0/50 (0%) | 2/50 (4%) | 0/50 (0%) | 0/50 (0%) |
| POLY-3 RATE (b) | 0/44.15 | 2/45.17 | 0/46.73 | 0/47.05 |
| POLY-3 PERCENT (g) | 0% | 4.4% | 0% | 0% |
| TERMINAL (d) | 0/37 (0%) | 1/36 (3%) | 0/39 (0%) | 0/35 (0%) |
| FIRST INCIDENCE | --- | 636 | --- | --- |

STATISTICAL TESTS

| | | | | |
|---------------------|----------|---------|-----|-----|
| LIFE TABLE | P=0.399N | P=0.237 | (e) | (e) |
| POLY 3 | P=0.388N | P=0.242 | (e) | (e) |
| POLY 1.5 | P=0.390N | P=0.243 | (e) | (e) |
| POLY 6 | P=0.388N | P=0.241 | (e) | (e) |
| LOGISTIC REGRESSION | P=0.423N | P=0.234 | (e) | (e) |
| COCH-ARM / FISHERS | P=0.405N | P=0.247 | (e) | (e) |
| ORDER RESTRICTED | P=0.240N | (e) | (e) | (e) |

TDMS No. 96011-06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

CUMENE

CAS Number: 98-82-8

Pathologist: PIERCE, J. - GRUMBEIN, S.

Date Report Reqsted: 02/27/2006

Time Report Reqsted: 15:32:52

First Dose M/F: 06/11/01 / 06/11/01

Lab: BNW

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
TERMINAL SACRIFICE AT 105 WEEKS

| DOSE | Females | | | |
|------|---------|---------|---------|---------|
| | CONTROL | 125 PPM | 250 PPM | 500 PPM |

Lung
Thrombosis

LESION RATES

| | | | | |
|--------------------|-----------|-----------|-----------|-----------|
| OVERALL (a) | 0/50 (0%) | 2/50 (4%) | 0/50 (0%) | 0/50 (0%) |
| POLY-3 RATE (b) | 0/44.15 | 2/46.04 | 0/46.73 | 0/47.05 |
| POLY-3 PERCENT (g) | 0% | 4.3% | 0% | 0% |
| TERMINAL (d) | 0/37 (0%) | 0/36 (0%) | 0/39 (0%) | 0/35 (0%) |
| FIRST INCIDENCE | --- | 370 | --- | --- |

STATISTICAL TESTS

| | | | | |
|---------------------|----------|---------|-----|-----|
| LIFE TABLE | P=0.391N | P=0.247 | (e) | (e) |
| POLY 3 | P=0.385N | P=0.247 | (e) | (e) |
| POLY 1.5 | P=0.388N | P=0.246 | (e) | (e) |
| POLY 6 | P=0.385N | P=0.246 | (e) | (e) |
| LOGISTIC REGRESSION | P=0.700N | P=0.108 | (e) | (e) |
| COCH-ARM / FISHERS | P=0.405N | P=0.247 | (e) | (e) |
| ORDER RESTRICTED | P=0.243N | (e) | (e) | (e) |

TDMS No. 96011-06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

CUMENE

CAS Number: 98-82-8

Pathologist: PIERCE, J. - GRUMBEIN, S.

Date Report Reqsted: 02/27/2006

Time Report Reqsted: 15:32:52

First Dose M/F: 06/11/01 / 06/11/01

Lab: BNW

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
TERMINAL SACRIFICE AT 105 WEEKS

| DOSE | Females | | | |
|------|---------|---------|---------|---------|
| | CONTROL | 125 PPM | 250 PPM | 500 PPM |

Lung: Alveolar Epithelium
Hyperplasia

LESION RATES

| | | | | |
|--------------------|-----------|-----------|------------|------------|
| OVERALL (a) | 2/50 (4%) | 3/50 (6%) | 6/50 (12%) | 6/50 (12%) |
| POLY-3 RATE (b) | 2/44.29 | 3/44.90 | 6/47.39 | 6/47.47 |
| POLY-3 PERCENT (g) | 4.5% | 6.7% | 12.7% | 12.6% |
| TERMINAL (d) | 1/37 (3%) | 2/36 (6%) | 5/39 (13%) | 3/35 (9%) |
| FIRST INCIDENCE | 693 | 713 | 509 | 662 |

STATISTICAL TESTS

| | | | | |
|---------------------|---------|---------|---------|---------|
| LIFE TABLE | P=0.081 | P=0.493 | P=0.156 | P=0.145 |
| POLY 3 | P=0.100 | P=0.506 | P=0.156 | P=0.157 |
| POLY 1.5 | P=0.094 | P=0.509 | P=0.151 | P=0.152 |
| POLY 6 | P=0.103 | P=0.501 | P=0.158 | P=0.159 |
| LOGISTIC REGRESSION | P=0.084 | P=0.504 | P=0.132 | P=0.148 |
| COCH-ARM / FISHERS | P=0.079 | P=0.500 | P=0.134 | P=0.134 |
| ORDER RESTRICTED | P=0.139 | (e) | (e) | (e) |

TDMS No. 96011-06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

CUMENE

CAS Number: 98-82-8

Pathologist: PIERCE, J. - GRUMBEIN, S.

Date Report Reqsted: 02/27/2006

Time Report Reqsted: 15:32:52

First Dose M/F: 06/11/01 / 06/11/01

Lab: BNW

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
TERMINAL SACRIFICE AT 105 WEEKS

| DOSE | Females | | | |
|------|---------|---------|---------|---------|
| | CONTROL | 125 PPM | 250 PPM | 500 PPM |

Lung: Alveolar Epithelium, Bronchiole
Metaplasia

LESION RATES

| | | | | |
|--------------------|-----------|-------------|-------------|-------------|
| OVERALL (a) | 0/50 (0%) | 42/50 (84%) | 49/50 (98%) | 47/50 (94%) |
| POLY-3 RATE (b) | 0/44.15 | 42/46.28 | 49/50.00 | 47/49.95 |
| POLY-3 PERCENT (g) | 0% | 90.8% | 98% | 94.1% |
| TERMINAL (d) | 0/37 (0%) | 35/36 (97%) | 38/39 (97%) | 33/35 (94%) |
| FIRST INCIDENCE | --- | 555 | 495 | 513 |

STATISTICAL TESTS

| | | | | |
|---------------------|-----------|-----------|-----------|-----------|
| LIFE TABLE | P<0.001** | P<0.001** | P<0.001** | P<0.001** |
| POLY 3 | P<0.001** | P<0.001** | P<0.001** | P<0.001** |
| POLY 1.5 | P<0.001** | P<0.001** | P<0.001** | P<0.001** |
| POLY 6 | P<0.001** | P<0.001** | P<0.001** | P<0.001** |
| LOGISTIC REGRESSION | P<0.001** | P<0.001** | P<0.001** | P<0.001** |
| COCH-ARM / FISHERS | P<0.001** | P<0.001** | P<0.001** | P<0.001** |
| ORDER RESTRICTED | P<0.001** | (e) | (e) | (e) |

TDMS No. 96011-06
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 CUMENE
 CAS Number: 98-82-8
 Pathologist: PIERCE, J. - GRUMBEIN, S.

Date Report Reqsted: 02/27/2006
 Time Report Reqsted: 15:32:52
 First Dose M/F: 06/11/01 / 06/11/01
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 105 WEEKS**

| DOSE | Females | | | |
|------|---------|---------|---------|---------|
| | CONTROL | 125 PPM | 250 PPM | 500 PPM |

Lung: Alveolus
 Infiltration Cellular Histiocyte

LESION RATES

| | | | | |
|--------------------|-----------|-----------|-----------|-----------|
| OVERALL (a) | 0/50 (0%) | 1/50 (2%) | 1/50 (2%) | 3/50 (6%) |
| POLY-3 RATE (b) | 0/44.15 | 1/45.39 | 1/47.12 | 3/47.31 |
| POLY-3 PERCENT (g) | 0% | 2.2% | 2.1% | 6.3% |
| TERMINAL (d) | 0/37 (0%) | 0/36 (0%) | 0/39 (0%) | 1/35 (3%) |
| FIRST INCIDENCE | --- | 555 | 618 | 677 |

STATISTICAL TESTS

| | | | | |
|---------------------|----------|---------|---------|---------|
| LIFE TABLE | P=0.062 | P=0.509 | P=0.517 | P=0.127 |
| POLY 3 | P=0.061 | P=0.506 | P=0.513 | P=0.132 |
| POLY 1.5 | P=0.059 | P=0.505 | P=0.510 | P=0.129 |
| POLY 6 | P=0.062 | P=0.505 | P=0.515 | P=0.133 |
| LOGISTIC REGRESSION | P=0.029* | P=0.424 | P=0.436 | P=0.125 |
| COCH-ARM / FISHERS | P=0.054 | P=0.500 | P=0.500 | P=0.121 |
| ORDER RESTRICTED | P=0.044* | (e) | (e) | (e) |

TDMS No. 96011-06
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 CUMENE
 CAS Number: 98-82-8
 Pathologist: PIERCE, J. - GRUMBEIN, S.

Date Report Requested: 02/27/2006
 Time Report Requested: 15:32:52
 First Dose M/F: 06/11/01 / 06/11/01
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 105 WEEKS**

| DOSE | Females | | | |
|------|---------|---------|---------|---------|
| | CONTROL | 125 PPM | 250 PPM | 500 PPM |

**Lung: Bronchiole
 Hyperplasia**

LESION RATES

| | | | | |
|--------------------|-----------|-------------|-------------|-------------|
| OVERALL (a) | 0/50 (0%) | 17/50 (34%) | 10/50 (20%) | 14/50 (28%) |
| POLY-3 RATE (b) | 0/44.15 | 17/45.53 | 10/47.55 | 14/47.37 |
| POLY-3 PERCENT (g) | 0% | 37.3% | 21% | 29.6% |
| TERMINAL (d) | 0/37 (0%) | 13/36 (36%) | 6/39 (15%) | 12/35 (34%) |
| FIRST INCIDENCE | --- | 623 | 639 | 677 |

STATISTICAL TESTS

| | | | | |
|---------------------|-----------|-----------|-----------|-----------|
| LIFE TABLE | P=0.009** | P<0.001** | P=0.002** | P<0.001** |
| POLY 3 | P=0.011* | P<0.001** | P<0.001** | P<0.001** |
| POLY 1.5 | P=0.010** | P<0.001** | P<0.001** | P<0.001** |
| POLY 6 | P=0.012* | P<0.001** | P<0.001** | P<0.001** |
| LOGISTIC REGRESSION | P=0.013* | P<0.001** | P=0.002** | P<0.001** |
| COCH-ARM / FISHERS | P=0.008** | P<0.001** | P<0.001** | P<0.001** |
| ORDER RESTRICTED | P<0.001** | (e) | (e) | (e) |

TDMS No. 96011-06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

CUMENE

CAS Number: 98-82-8

Pathologist: PIERCE, J. - GRUMBEIN, S.

Date Report Reqsted: 02/27/2006

Time Report Reqsted: 15:32:52

First Dose M/F: 06/11/01 / 06/11/01

Lab: BNW

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
TERMINAL SACRIFICE AT 105 WEEKS

| DOSE | Females | | | |
|------|---------|---------|---------|---------|
| | CONTROL | 125 PPM | 250 PPM | 500 PPM |

Lymph Node: Lumbar
Ectasia

LESION RATES

| | | | | |
|--------------------|-----------|-----------|-----------|-----------|
| OVERALL (a) | 2/4 (50%) | 1/9 (11%) | 1/5 (20%) | 1/5 (20%) |
| POLY-3 RATE (b) | 2/3.69 | 1/8.34 | 1/4.17 | 1/4.19 |
| POLY-3 PERCENT (g) | 54.3% | 12% | 24% | 23.9% |
| TERMINAL (d) | 2/3 (67%) | 1/7 (14%) | 1/3 (33%) | 1/2 (50%) |
| FIRST INCIDENCE | 731 (T) | 731 (T) | 731 (T) | 731 (T) |

STATISTICAL TESTS

| | | | | |
|---------------------|----------|----------|----------|----------|
| LIFE TABLE | P=0.670 | P=0.196N | P=0.500N | P=0.691N |
| POLY 3 | P=0.456N | P=0.194N | P=0.449N | P=0.447N |
| POLY 1.5 | P=0.446N | P=0.197N | P=0.435N | P=0.431N |
| POLY 6 | P=0.470N | P=0.188N | P=0.461N | P=0.471N |
| LOGISTIC REGRESSION | P=0.670 | P=0.196N | P=0.500N | P=0.691N |
| COCH-ARM / FISHERS | P=0.430N | P=0.203N | P=0.405N | P=0.405N |
| ORDER RESTRICTED | P=0.243N | (e) | (e) | (e) |

TDMS No. 96011-06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

CUMENE

CAS Number: 98-82-8

Pathologist: PIERCE, J. - GRUMBEIN, S.

Date Report Reqsted: 02/27/2006

Time Report Reqsted: 15:32:52

First Dose M/F: 06/11/01 / 06/11/01

Lab: BNW

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
TERMINAL SACRIFICE AT 105 WEEKS

| DOSE | Females | | | |
|------|---------|---------|---------|---------|
| | CONTROL | 125 PPM | 250 PPM | 500 PPM |

Lymph Node: Lumbar
Hyperplasia Lymphoid

LESION RATES

| | | | | |
|--------------------|----------|-----------|----------|----------|
| OVERALL (a) | 0/4 (0%) | 2/9 (22%) | 0/5 (0%) | 0/5 (0%) |
| POLY-3 RATE (b) | 0/3.69 | 2/8.34 | 0/4.17 | 0/4.19 |
| POLY-3 PERCENT (g) | 0% | 24% | 0% | 0% |
| TERMINAL (d) | 0/3 (0%) | 2/7 (29%) | 0/3 (0%) | 0/2 (0%) |
| FIRST INCIDENCE | --- | 731 (T) | --- | --- |

STATISTICAL TESTS

| | | | | |
|---------------------|----------|---------|-----|-----|
| LIFE TABLE | P=0.549N | P=0.435 | (e) | (e) |
| POLY 3 | P=0.439N | P=0.427 | (e) | (e) |
| POLY 1.5 | P=0.430N | P=0.427 | (e) | (e) |
| POLY 6 | P=0.451N | P=0.429 | (e) | (e) |
| LOGISTIC REGRESSION | (e) | P=0.435 | (e) | (e) |
| COCH-ARM / FISHERS | P=0.416N | P=0.462 | (e) | (e) |
| ORDER RESTRICTED | P=0.390N | (e) | (e) | (e) |

TDMS No. 96011-06
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 CUMENE
 CAS Number: 98-82-8
 Pathologist: PIERCE, J. - GRUMBEIN, S.

Date Report Reqsted: 02/27/2006
 Time Report Reqsted: 15:32:52
 First Dose M/F: 06/11/01 / 06/11/01
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 105 WEEKS**

| DOSE | Females | | | |
|------|---------|---------|---------|---------|
| | CONTROL | 125 PPM | 250 PPM | 500 PPM |

Mesentery: Fat
 Necrosis

LESION RATES

| | | | | |
|--------------------|--------------|-------------|-------------|------------|
| OVERALL (a) | 11/11 (100%) | 10/12 (83%) | 10/11 (91%) | 9/9 (100%) |
| POLY-3 RATE (b) | 11/11.00 | 10/11.92 | 10/10.91 | 9/9.00 |
| POLY-3 PERCENT (g) | 100% | 83.9% | 91.6% | 100% |
| TERMINAL (d) | 9/9 (100%) | 9/10 (90%) | 7/7 (100%) | 5/5 (100%) |
| FIRST INCIDENCE | 607 | 623 | 651 | 672 |

STATISTICAL TESTS

| | | | | |
|---------------------|----------|----------|----------|-----|
| LIFE TABLE | P=0.179 | P=0.322N | P=0.535 | (e) |
| POLY 3 | P=0.524 | P=0.258N | P=0.537N | (e) |
| POLY 1.5 | P=0.522 | P=0.254N | P=0.518N | (e) |
| POLY 6 | P=0.529 | P=0.267N | P=0.576N | (e) |
| LOGISTIC REGRESSION | P=0.520 | P=0.252N | P=0.500N | (e) |
| COCH-ARM / FISHERS | P=0.520 | P=0.261N | P=0.500N | (e) |
| ORDER RESTRICTED | P=0.347N | (e) | (e) | (e) |

TDMS No. 96011-06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

CUMENE

CAS Number: 98-82-8

Pathologist: PIERCE, J. - GRUMBEIN, S.

Date Report Reqsted: 02/27/2006

Time Report Reqsted: 15:32:52

First Dose M/F: 06/11/01 / 06/11/01

Lab: BNW

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
TERMINAL SACRIFICE AT 105 WEEKS

| DOSE | Females | | | |
|------|---------|---------|---------|---------|
| | CONTROL | 125 PPM | 250 PPM | 500 PPM |

Nose
Inflammation

LESION RATES

| | | | | |
|--------------------|-----------|-----------|-----------|------------|
| OVERALL (a) | 0/50 (0%) | 1/50 (2%) | 3/50 (6%) | 7/50 (14%) |
| POLY-3 RATE (b) | 0/44.15 | 1/44.83 | 3/46.98 | 7/47.57 |
| POLY-3 PERCENT (g) | 0% | 2.2% | 6.4% | 14.7% |
| TERMINAL (d) | 0/37 (0%) | 1/36 (3%) | 1/39 (3%) | 2/35 (6%) |
| FIRST INCIDENCE | --- | 731 (T) | 687 | 687 |

STATISTICAL TESTS

| | | | | |
|---------------------|-----------|---------|---------|-----------|
| LIFE TABLE | P<0.001** | P=0.495 | P=0.136 | P=0.012* |
| POLY 3 | P<0.001** | P=0.503 | P=0.130 | P=0.010** |
| POLY 1.5 | P<0.001** | P=0.504 | P=0.128 | P=0.010** |
| POLY 6 | P<0.001** | P=0.501 | P=0.132 | P=0.011* |
| LOGISTIC REGRESSION | P<0.001** | P=0.495 | P=0.125 | P=0.011* |
| COCH-ARM / FISHERS | P<0.001** | P=0.500 | P=0.121 | P=0.006** |
| ORDER RESTRICTED | P<0.001** | (e) | (e) | (e) |

TDMS No. 96011-06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

CUMENE

CAS Number: 98-82-8

Pathologist: PIERCE, J. - GRUMBEIN, S.

Date Report Reqsted: 02/27/2006

Time Report Reqsted: 15:32:52

First Dose M/F: 06/11/01 / 06/11/01

Lab: BNW

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
TERMINAL SACRIFICE AT 105 WEEKS

| DOSE | Females | | | |
|------|---------|---------|---------|---------|
| | CONTROL | 125 PPM | 250 PPM | 500 PPM |

Nose: Olfactory Epithelium
Atrophy

LESION RATES

| | | | | |
|--------------------|-----------|-------------|------------|-------------|
| OVERALL (a) | 4/50 (8%) | 11/50 (22%) | 9/50 (18%) | 18/50 (36%) |
| POLY-3 RATE (b) | 4/44.76 | 11/45.82 | 9/47.75 | 18/47.83 |
| POLY-3 PERCENT (g) | 8.9% | 24% | 18.9% | 37.6% |
| TERMINAL (d) | 3/37 (8%) | 9/36 (25%) | 4/39 (10%) | 12/35 (34%) |
| FIRST INCIDENCE | 533 | 499 | 639 | 672 |

STATISTICAL TESTS

| | | | | |
|---------------------|-----------|----------|---------|-----------|
| LIFE TABLE | P=0.002** | P=0.045* | P=0.153 | P<0.001** |
| POLY 3 | P<0.001** | P=0.048* | P=0.142 | P<0.001** |
| POLY 1.5 | P<0.001** | P=0.049* | P=0.136 | P<0.001** |
| POLY 6 | P<0.001** | P=0.046* | P=0.148 | P<0.001** |
| LOGISTIC REGRESSION | P<0.001** | P=0.047* | P=0.110 | P<0.001** |
| COCH-ARM / FISHERS | P<0.001** | P=0.045* | P=0.117 | P<0.001** |
| ORDER RESTRICTED | P<0.001** | (e) | (e) | (e) |

TDMS No. 96011-06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

CUMENE

CAS Number: 98-82-8

Pathologist: PIERCE, J. - GRUMBEIN, S.

Date Report Reqsted: 02/27/2006

Time Report Reqsted: 15:32:52

First Dose M/F: 06/11/01 / 06/11/01

Lab: BNW

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
TERMINAL SACRIFICE AT 105 WEEKS

| DOSE | Females | | | |
|------|---------|---------|---------|---------|
| | CONTROL | 125 PPM | 250 PPM | 500 PPM |

Nose: Olfactory Epithelium
Hyperplasia Atypical

LESION RATES

| | | | | |
|--------------------|-----------|-----------|-----------|-------------|
| OVERALL (a) | 0/50 (0%) | 0/50 (0%) | 2/50 (4%) | 10/50 (20%) |
| POLY-3 RATE (b) | 0/44.15 | 0/44.83 | 2/46.90 | 10/47.56 |
| POLY-3 PERCENT (g) | 0% | 0% | 4.3% | 21% |
| TERMINAL (d) | 0/37 (0%) | 0/36 (0%) | 1/39 (3%) | 6/35 (17%) |
| FIRST INCIDENCE | --- | --- | 687 | 672 |

STATISTICAL TESTS

| | | | | |
|---------------------|-----------|-----|---------|-----------|
| LIFE TABLE | P<0.001** | (e) | P=0.256 | P=0.002** |
| POLY 3 | P<0.001** | (e) | P=0.251 | P<0.001** |
| POLY 1.5 | P<0.001** | (e) | P=0.248 | P<0.001** |
| POLY 6 | P<0.001** | (e) | P=0.252 | P<0.001** |
| LOGISTIC REGRESSION | P<0.001** | (e) | P=0.244 | P=0.002** |
| COCH-ARM / FISHERS | P<0.001** | (e) | P=0.247 | P<0.001** |
| ORDER RESTRICTED | P<0.001** | (e) | (e) | (e) |

TDMS No. 96011-06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

CUMENE

CAS Number: 98-82-8

Pathologist: PIERCE, J. - GRUMBEIN, S.

Date Report Reqsted: 02/27/2006

Time Report Reqsted: 15:32:52

First Dose M/F: 06/11/01 / 06/11/01

Lab: BNW

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
TERMINAL SACRIFICE AT 105 WEEKS

| DOSE | Females | | | |
|------|---------|---------|---------|---------|
| | CONTROL | 125 PPM | 250 PPM | 500 PPM |

Nose: Olfactory Epithelium
Hyperplasia Basal Cell

LESION RATES

| | | | | |
|--------------------|-----------|-----------|-------------|-------------|
| OVERALL (a) | 0/50 (0%) | 1/50 (2%) | 11/50 (22%) | 25/50 (50%) |
| POLY-3 RATE (b) | 0/44.15 | 1/44.83 | 11/47.59 | 25/48.52 |
| POLY-3 PERCENT (g) | 0% | 2.2% | 23.1% | 51.5% |
| TERMINAL (d) | 0/37 (0%) | 1/36 (3%) | 8/39 (21%) | 18/35 (51%) |
| FIRST INCIDENCE | --- | 731 (T) | 509 | 565 |

STATISTICAL TESTS

| | | | | |
|---------------------|-----------|---------|-----------|-----------|
| LIFE TABLE | P<0.001** | P=0.495 | P<0.001** | P<0.001** |
| POLY 3 | P<0.001** | P=0.503 | P<0.001** | P<0.001** |
| POLY 1.5 | P<0.001** | P=0.504 | P<0.001** | P<0.001** |
| POLY 6 | P<0.001** | P=0.501 | P<0.001** | P<0.001** |
| LOGISTIC REGRESSION | P<0.001** | P=0.495 | P<0.001** | P<0.001** |
| COCH-ARM / FISHERS | P<0.001** | P=0.500 | P<0.001** | P<0.001** |
| ORDER RESTRICTED | P<0.001** | (e) | (e) | (e) |

TDMS No. 96011-06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

CUMENE

CAS Number: 98-82-8

Pathologist: PIERCE, J. - GRUMBEIN, S.

Date Report Reqsted: 02/27/2006

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First Dose M/F: 06/11/01 / 06/11/01

Lab: BNW

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
TERMINAL SACRIFICE AT 105 WEEKS

| DOSE | Females | | | |
|------|---------|---------|---------|---------|
| | CONTROL | 125 PPM | 250 PPM | 500 PPM |

Nose: Olfactory Epithelium
Necrosis

LESION RATES

| | | | | |
|--------------------|-----------|-----------|-----------|-----------|
| OVERALL (a) | 0/50 (0%) | 2/50 (4%) | 2/50 (4%) | 3/50 (6%) |
| POLY-3 RATE (b) | 0/44.15 | 2/44.83 | 2/46.73 | 3/47.05 |
| POLY-3 PERCENT (g) | 0% | 4.5% | 4.3% | 6.4% |
| TERMINAL (d) | 0/37 (0%) | 2/36 (6%) | 2/39 (5%) | 3/35 (9%) |
| FIRST INCIDENCE | --- | 731 (T) | 731 (T) | 731 (T) |

STATISTICAL TESTS

| | | | | |
|---------------------|---------|---------|---------|---------|
| LIFE TABLE | P=0.097 | P=0.232 | P=0.250 | P=0.111 |
| POLY 3 | P=0.125 | P=0.241 | P=0.250 | P=0.131 |
| POLY 1.5 | P=0.122 | P=0.242 | P=0.248 | P=0.128 |
| POLY 6 | P=0.126 | P=0.238 | P=0.251 | P=0.131 |
| LOGISTIC REGRESSION | (e) | P=0.232 | P=0.250 | P=0.111 |
| COCH-ARM / FISHERS | P=0.108 | P=0.247 | P=0.247 | P=0.121 |
| ORDER RESTRICTED | P=0.087 | (e) | (e) | (e) |

TDMS No. 96011-06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

CUMENE

CAS Number: 98-82-8

Pathologist: PIERCE, J. - GRUMBEIN, S.

Date Report Reqsted: 02/27/2006

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First Dose M/F: 06/11/01 / 06/11/01

Lab: BNW

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
TERMINAL SACRIFICE AT 105 WEEKS

| DOSE | Females | | | |
|------|---------|---------|---------|---------|
| | CONTROL | 125 PPM | 250 PPM | 500 PPM |

Nose: Olfactory Epithelium, Glands
Hyperplasia

LESION RATES

| | | | | |
|--------------------|-----------|-----------|-----------|-------------|
| OVERALL (a) | 1/50 (2%) | 4/50 (8%) | 4/50 (8%) | 11/50 (22%) |
| POLY-3 RATE (b) | 1/44.15 | 4/46.20 | 4/47.35 | 11/47.61 |
| POLY-3 PERCENT (g) | 2.3% | 8.7% | 8.5% | 23.1% |
| TERMINAL (d) | 1/37 (3%) | 1/36 (3%) | 2/39 (5%) | 7/35 (20%) |
| FIRST INCIDENCE | 731 (T) | 499 | 639 | 672 |

STATISTICAL TESTS

| | | | | |
|---------------------|-----------|---------|---------|-----------|
| LIFE TABLE | P<0.001** | P=0.183 | P=0.201 | P=0.003** |
| POLY 3 | P<0.001** | P=0.193 | P=0.201 | P=0.003** |
| POLY 1.5 | P<0.001** | P=0.190 | P=0.196 | P=0.003** |
| POLY 6 | P<0.001** | P=0.194 | P=0.205 | P=0.003** |
| LOGISTIC REGRESSION | P<0.001** | P=0.150 | P=0.175 | P=0.004** |
| COCH-ARM / FISHERS | P<0.001** | P=0.181 | P=0.181 | P=0.002** |
| ORDER RESTRICTED | P<0.001** | (e) | (e) | (e) |

TDMS No. 96011-06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

CUMENE

CAS Number: 98-82-8

Pathologist: PIERCE, J. - GRUMBEIN, S.

Date Report Reqsted: 02/27/2006

Time Report Reqsted: 15:32:52

First Dose M/F: 06/11/01 / 06/11/01

Lab: BNW

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
TERMINAL SACRIFICE AT 105 WEEKS

| DOSE | Females | | | |
|------|---------|---------|---------|---------|
| | CONTROL | 125 PPM | 250 PPM | 500 PPM |

Nose: Respiratory Epithelium
Metaplasia

LESION RATES

| | | | | |
|--------------------|-----------|-----------|-----------|------------|
| OVERALL (a) | 0/50 (0%) | 0/50 (0%) | 1/50 (2%) | 6/50 (12%) |
| POLY-3 RATE (b) | 0/44.15 | 0/44.83 | 1/46.81 | 6/47.39 |
| POLY-3 PERCENT (g) | 0% | 0% | 2.1% | 12.7% |
| TERMINAL (d) | 0/37 (0%) | 0/36 (0%) | 0/39 (0%) | 3/35 (9%) |
| FIRST INCIDENCE | --- | --- | 709 | 687 |

STATISTICAL TESTS

| | | | | |
|---------------------|-----------|-----|---------|----------|
| LIFE TABLE | P<0.001** | (e) | P=0.510 | P=0.020* |
| POLY 3 | P<0.001** | (e) | P=0.512 | P=0.019* |
| POLY 1.5 | P<0.001** | (e) | P=0.509 | P=0.019* |
| POLY 6 | P<0.001** | (e) | P=0.513 | P=0.020* |
| LOGISTIC REGRESSION | P<0.001** | (e) | P=0.506 | P=0.021* |
| COCH-ARM / FISHERS | P<0.001** | (e) | P=0.500 | P=0.013* |
| ORDER RESTRICTED | P<0.001** | (e) | (e) | (e) |

TDMS No. 96011-06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

CUMENE

CAS Number: 98-82-8

Pathologist: PIERCE, J. - GRUMBEIN, S.

Date Report Reqsted: 02/27/2006

Time Report Reqsted: 15:32:52

First Dose M/F: 06/11/01 / 06/11/01

Lab: BNW

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
TERMINAL SACRIFICE AT 105 WEEKS

| DOSE | Females | | | |
|------|---------|---------|---------|---------|
| | CONTROL | 125 PPM | 250 PPM | 500 PPM |

Nose: Turbinate
Necrosis

LESION RATES

| | | | | |
|--------------------|-----------|-----------|-----------|-----------|
| OVERALL (a) | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | 2/50 (4%) |
| POLY-3 RATE (b) | 0/44.15 | 0/44.83 | 0/46.73 | 2/47.38 |
| POLY-3 PERCENT (g) | 0% | 0% | 0% | 4.2% |
| TERMINAL (d) | 0/37 (0%) | 0/36 (0%) | 0/39 (0%) | 0/35 (0%) |
| FIRST INCIDENCE | --- | --- | --- | 687 |

STATISTICAL TESTS

| | | | | |
|---------------------|----------|-----|-----|---------|
| LIFE TABLE | P=0.053 | (e) | (e) | P=0.258 |
| POLY 3 | P=0.049* | (e) | (e) | P=0.253 |
| POLY 1.5 | P=0.048* | (e) | (e) | P=0.250 |
| POLY 6 | P=0.049* | (e) | (e) | P=0.255 |
| LOGISTIC REGRESSION | P=0.040* | (e) | (e) | P=0.224 |
| COCH-ARM / FISHERS | P=0.046* | (e) | (e) | P=0.247 |
| ORDER RESTRICTED | P=0.035* | (e) | (e) | (e) |

TDMS No. 96011-06
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 CUMENE
 CAS Number: 98-82-8
 Pathologist: PIERCE, J. - GRUMBEIN, S.

Date Report Requested: 02/27/2006
 Time Report Requested: 15:32:52
 First Dose M/F: 06/11/01 / 06/11/01
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 105 WEEKS**

| DOSE | Females | | | |
|--------------------------|------------|-------------|-------------|-------------|
| | CONTROL | 125 PPM | 250 PPM | 500 PPM |
| Ovary Cyst | | | | |
| LESION RATES | | | | |
| OVERALL (a) | 9/48 (19%) | 12/50 (24%) | 14/50 (28%) | 11/49 (22%) |
| POLY-3 RATE (b) | 9/43.53 | 12/45.07 | 14/47.88 | 11/46.37 |
| POLY-3 PERCENT (g) | 20.7% | 26.6% | 29.2% | 23.7% |
| TERMINAL (d) | 8/37 (22%) | 11/36 (31%) | 11/39 (28%) | 9/34 (27%) |
| FIRST INCIDENCE | 726 | 668 | 495 | 677 |
| STATISTICAL TESTS | | | | |
| LIFE TABLE | P=0.339 | P=0.286 | P=0.216 | P=0.340 |
| POLY 3 | P=0.463 | P=0.342 | P=0.242 | P=0.463 |
| POLY 1.5 | P=0.449 | P=0.352 | P=0.232 | P=0.456 |
| POLY 6 | P=0.469 | P=0.328 | P=0.249 | P=0.463 |
| LOGISTIC REGRESSION | P=0.450 | P=0.304 | P=0.218 | P=0.434 |
| COCH-ARM / FISHERS | P=0.400 | P=0.350 | P=0.200 | P=0.421 |
| ORDER RESTRICTED | P=0.415 | (e) | (e) | (e) |

TDMS No. 96011-06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

CUMENE

CAS Number: 98-82-8

Pathologist: PIERCE, J. - GRUMBEIN, S.

Date Report Reqsted: 02/27/2006

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First Dose M/F: 06/11/01 / 06/11/01

Lab: BNW

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
TERMINAL SACRIFICE AT 105 WEEKS

| DOSE | Females | | | |
|------|---------|---------|---------|---------|
| | CONTROL | 125 PPM | 250 PPM | 500 PPM |

Pancreas
Atrophy

LESION RATES

| | | | | |
|--------------------|-----------|-----------|-----------|-----------|
| OVERALL (a) | 0/49 (0%) | 0/50 (0%) | 1/50 (2%) | 3/50 (6%) |
| POLY-3 RATE (b) | 0/44.08 | 0/44.83 | 1/46.73 | 3/47.17 |
| POLY-3 PERCENT (g) | 0% | 0% | 2.1% | 6.4% |
| TERMINAL (d) | 0/37 (0%) | 0/36 (0%) | 1/39 (3%) | 2/35 (6%) |
| FIRST INCIDENCE | --- | --- | 731 (T) | 701 |

STATISTICAL TESTS

| | | | | |
|---------------------|----------|-----|---------|---------|
| LIFE TABLE | P=0.020* | (e) | P=0.511 | P=0.122 |
| POLY 3 | P=0.022* | (e) | P=0.512 | P=0.131 |
| POLY 1.5 | P=0.022* | (e) | P=0.510 | P=0.130 |
| POLY 6 | P=0.023* | (e) | P=0.512 | P=0.132 |
| LOGISTIC REGRESSION | P=0.023* | (e) | P=0.511 | P=0.132 |
| COCH-ARM / FISHERS | P=0.021* | (e) | P=0.505 | P=0.125 |
| ORDER RESTRICTED | P=0.025* | (e) | (e) | (e) |

TDMS No. 96011-06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

CUMENE

CAS Number: 98-82-8

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First Dose M/F: 06/11/01 / 06/11/01

Lab: BNW

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
TERMINAL SACRIFICE AT 105 WEEKS

| DOSE | Females | | | |
|------|---------|---------|---------|---------|
| | CONTROL | 125 PPM | 250 PPM | 500 PPM |

Pituitary Gland: Pars Distalis
Angiectasis

LESION RATES

| | | | | |
|--------------------|-----------|-----------|------------|-----------|
| OVERALL (a) | 3/50 (6%) | 1/49 (2%) | 7/50 (14%) | 1/48 (2%) |
| POLY-3 RATE (b) | 3/44.15 | 1/44.21 | 7/46.87 | 1/45.25 |
| POLY-3 PERCENT (g) | 6.8% | 2.3% | 14.9% | 2.2% |
| TERMINAL (d) | 3/37 (8%) | 1/36 (3%) | 6/39 (15%) | 1/34 (3%) |
| FIRST INCIDENCE | 731 (T) | 731 (T) | 694 | 731 (T) |

STATISTICAL TESTS

| | | | | |
|---------------------|----------|----------|---------|----------|
| LIFE TABLE | P=0.448N | P=0.315N | P=0.183 | P=0.335N |
| POLY 3 | P=0.394N | P=0.305N | P=0.183 | P=0.296N |
| POLY 1.5 | P=0.405N | P=0.304N | P=0.178 | P=0.301N |
| POLY 6 | P=0.389N | P=0.306N | P=0.185 | P=0.295N |
| LOGISTIC REGRESSION | P=0.408N | P=0.315N | P=0.181 | P=0.335N |
| COCH-ARM / FISHERS | P=0.438N | P=0.316N | P=0.159 | P=0.324N |
| ORDER RESTRICTED | P=0.201N | (e) | (e) | (e) |

TDMS No. 96011-06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

CUMENE

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Lab: BNW

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
TERMINAL SACRIFICE AT 105 WEEKS

| DOSE | Females | | | |
|------|---------|---------|---------|---------|
| | CONTROL | 125 PPM | 250 PPM | 500 PPM |

Pituitary Gland: Pars Distalis
Hyperplasia

LESION RATES

| | | | | |
|--------------------|-------------|-------------|-------------|------------|
| OVERALL (a) | 11/50 (22%) | 19/49 (39%) | 10/50 (20%) | 6/48 (13%) |
| POLY-3 RATE (b) | 11/44.15 | 19/44.72 | 10/46.94 | 6/45.25 |
| POLY-3 PERCENT (g) | 24.9% | 42.5% | 21.3% | 13.3% |
| TERMINAL (d) | 11/37 (30%) | 17/36 (47%) | 9/39 (23%) | 6/34 (18%) |
| FIRST INCIDENCE | 731 (T) | 636 | 673 | 731 (T) |

STATISTICAL TESTS

| | | | | |
|---------------------|-----------|----------|----------|----------|
| LIFE TABLE | P=0.037N* | P=0.047* | P=0.443N | P=0.182N |
| POLY 3 | P=0.019N* | P=0.060 | P=0.436N | P=0.127N |
| POLY 1.5 | P=0.022N* | P=0.061 | P=0.450N | P=0.135N |
| POLY 6 | P=0.017N* | P=0.059 | P=0.428N | P=0.124N |
| LOGISTIC REGRESSION | P=0.021N* | P=0.053 | P=0.440N | P=0.182N |
| COCH-ARM / FISHERS | P=0.037N* | P=0.055 | P=0.500N | P=0.165N |
| ORDER RESTRICTED | P=0.015N* | (e) | (e) | (e) |

TDMS No. 96011-06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

CUMENE

CAS Number: 98-82-8

Pathologist: PIERCE, J. - GRUMBEIN, S.

Date Report Reqsted: 02/27/2006

Time Report Reqsted: 15:32:52

First Dose M/F: 06/11/01 / 06/11/01

Lab: BNW

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
TERMINAL SACRIFICE AT 105 WEEKS

| DOSE | Females | | | |
|------|---------|---------|---------|---------|
| | CONTROL | 125 PPM | 250 PPM | 500 PPM |

Skin
Inflammation Chronic

LESION RATES

| | | | | |
|--------------------|-----------|-----------|-----------|-----------|
| OVERALL (a) | 0/50 (0%) | 1/50 (2%) | 1/50 (2%) | 0/50 (0%) |
| POLY-3 RATE (b) | 0/44.15 | 1/44.83 | 1/46.94 | 0/47.05 |
| POLY-3 PERCENT (g) | 0% | 2.2% | 2.1% | 0% |
| TERMINAL (d) | 0/37 (0%) | 1/36 (3%) | 0/39 (0%) | 0/35 (0%) |
| FIRST INCIDENCE | --- | 731 (T) | 673 | --- |

STATISTICAL TESTS

| | | | | |
|---------------------|----------|---------|---------|-----|
| LIFE TABLE | P=0.585N | P=0.495 | P=0.519 | (e) |
| POLY 3 | P=0.576N | P=0.503 | P=0.512 | (e) |
| POLY 1.5 | P=0.580N | P=0.504 | P=0.510 | (e) |
| POLY 6 | P=0.576N | P=0.501 | P=0.514 | (e) |
| LOGISTIC REGRESSION | P=0.596N | P=0.495 | P=0.482 | (e) |
| COCH-ARM / FISHERS | P=0.595N | P=0.500 | P=0.500 | (e) |
| ORDER RESTRICTED | P=0.398N | (e) | (e) | (e) |

TDMS No. 96011-06
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 CUMENE
 CAS Number: 98-82-8
 Pathologist: PIERCE, J. - GRUMBEIN, S.

Date Report Requested: 02/27/2006
 Time Report Requested: 15:32:52
 First Dose M/F: 06/11/01 / 06/11/01
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 105 WEEKS**

| DOSE | Females | | | |
|------|---------|---------|---------|---------|
| | CONTROL | 125 PPM | 250 PPM | 500 PPM |

**Spleen
 Hematopoietic Cell Proliferation**

LESION RATES

| | | | | |
|--------------------|-----------|------------|-----------|-----------|
| OVERALL (a) | 1/49 (2%) | 6/50 (12%) | 2/50 (4%) | 2/50 (4%) |
| POLY-3 RATE (b) | 1/44.08 | 6/46.56 | 2/47.12 | 2/47.22 |
| POLY-3 PERCENT (g) | 2.3% | 12.9% | 4.2% | 4.2% |
| TERMINAL (d) | 1/37 (3%) | 1/36 (3%) | 1/39 (3%) | 1/35 (3%) |
| FIRST INCIDENCE | 731 (T) | 481 | 618 | 687 |

STATISTICAL TESTS

| | | | | |
|---------------------|----------|---------|---------|---------|
| LIFE TABLE | P=0.465N | P=0.066 | P=0.522 | P=0.498 |
| POLY 3 | P=0.440N | P=0.065 | P=0.523 | P=0.524 |
| POLY 1.5 | P=0.446N | P=0.064 | P=0.520 | P=0.520 |
| POLY 6 | P=0.436N | P=0.066 | P=0.526 | P=0.525 |
| LOGISTIC REGRESSION | P=0.566N | P=0.051 | P=0.498 | P=0.520 |
| COCH-ARM / FISHERS | P=0.471N | P=0.059 | P=0.508 | P=0.508 |
| ORDER RESTRICTED | P=0.262 | (e) | (e) | (e) |

TDMS No. 96011-06
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 CUMENE
 CAS Number: 98-82-8
 Pathologist: PIERCE, J. - GRUMBEIN, S.

Date Report Reqsted: 02/27/2006
 Time Report Reqsted: 15:32:52
 First Dose M/F: 06/11/01 / 06/11/01
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 105 WEEKS**

| DOSE | Females | | | |
|------|---------|---------|---------|---------|
| | CONTROL | 125 PPM | 250 PPM | 500 PPM |

**Stomach, Forestomach
 Inflammation**

LESION RATES

| | | | | |
|--------------------|-----------|-----------|-----------|-----------|
| OVERALL (a) | 1/49 (2%) | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) |
| POLY-3 RATE (b) | 1/44.36 | 0/44.83 | 0/46.73 | 0/47.05 |
| POLY-3 PERCENT (g) | 2.3% | 0% | 0% | 0% |
| TERMINAL (d) | 0/37 (0%) | 0/36 (0%) | 0/39 (0%) | 0/35 (0%) |
| FIRST INCIDENCE | 656 | --- | --- | --- |

STATISTICAL TESTS

| | | | | |
|---------------------|----------|----------|----------|----------|
| LIFE TABLE | P=0.289N | P=0.505N | P=0.486N | P=0.473N |
| POLY 3 | P=0.305N | P=0.498N | P=0.490N | P=0.488N |
| POLY 1.5 | P=0.306N | P=0.496N | P=0.490N | P=0.489N |
| POLY 6 | P=0.303N | P=0.501N | P=0.490N | P=0.489N |
| LOGISTIC REGRESSION | P=0.328N | P=0.506N | P=0.527N | P=0.533N |
| COCH-ARM / FISHERS | P=0.303N | P=0.495N | P=0.495N | P=0.495N |
| ORDER RESTRICTED | P=0.110N | (e) | (e) | (e) |

TDMS No. 96011-06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

CUMENE

CAS Number: 98-82-8

Pathologist: PIERCE, J. - GRUMBEIN, S.

Date Report Reqsted: 02/27/2006

Time Report Reqsted: 15:32:52

First Dose M/F: 06/11/01 / 06/11/01

Lab: BNW

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
TERMINAL SACRIFICE AT 105 WEEKS

| DOSE | Females | | | |
|------|---------|---------|---------|---------|
| | CONTROL | 125 PPM | 250 PPM | 500 PPM |

Stomach, Forestomach
Ulcer

LESION RATES

| | | | | |
|--------------------|-----------|-----------|-----------|-----------|
| OVERALL (a) | 0/49 (0%) | 0/50 (0%) | 1/50 (2%) | 2/50 (4%) |
| POLY-3 RATE (b) | 0/44.08 | 0/44.83 | 1/46.81 | 2/47.07 |
| POLY-3 PERCENT (g) | 0% | 0% | 2.1% | 4.3% |
| TERMINAL (d) | 0/37 (0%) | 0/36 (0%) | 0/39 (0%) | 1/35 (3%) |
| FIRST INCIDENCE | --- | --- | 709 | 726 |

STATISTICAL TESTS

| | | | | |
|---------------------|---------|-----|---------|---------|
| LIFE TABLE | P=0.068 | (e) | P=0.510 | P=0.228 |
| POLY 3 | P=0.077 | (e) | P=0.512 | P=0.252 |
| POLY 1.5 | P=0.076 | (e) | P=0.511 | P=0.250 |
| POLY 6 | P=0.078 | (e) | P=0.513 | P=0.252 |
| LOGISTIC REGRESSION | P=0.077 | (e) | P=0.507 | P=0.243 |
| COCH-ARM / FISHERS | P=0.071 | (e) | P=0.505 | P=0.253 |
| ORDER RESTRICTED | P=0.084 | (e) | (e) | (e) |

TDMS No. 96011-06
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 CUMENE
 CAS Number: 98-82-8
 Pathologist: PIERCE, J. - GRUMBEIN, S.

Date Report Reqsted: 02/27/2006
 Time Report Reqsted: 15:32:52
 First Dose M/F: 06/11/01 / 06/11/01
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 105 WEEKS**

| DOSE | Females | | | |
|------|---------|---------|---------|---------|
| | CONTROL | 125 PPM | 250 PPM | 500 PPM |

**Stomach, Forestomach: Epithelium
 Hyperplasia**

LESION RATES

| | | | | |
|--------------------|-----------|-----------|-----------|-----------|
| OVERALL (a) | 1/49 (2%) | 2/50 (4%) | 2/50 (4%) | 3/50 (6%) |
| POLY-3 RATE (b) | 1/44.36 | 2/45.07 | 2/46.81 | 3/47.22 |
| POLY-3 PERCENT (g) | 2.3% | 4.4% | 4.3% | 6.4% |
| TERMINAL (d) | 0/37 (0%) | 1/36 (3%) | 1/39 (3%) | 2/35 (6%) |
| FIRST INCIDENCE | 656 | 668 | 709 | 687 |

STATISTICAL TESTS

| | | | | |
|---------------------|---------|---------|---------|---------|
| LIFE TABLE | P=0.246 | P=0.494 | P=0.520 | P=0.318 |
| POLY 3 | P=0.256 | P=0.506 | P=0.519 | P=0.328 |
| POLY 1.5 | P=0.253 | P=0.509 | P=0.517 | P=0.326 |
| POLY 6 | P=0.257 | P=0.501 | P=0.518 | P=0.328 |
| LOGISTIC REGRESSION | P=0.238 | P=0.504 | P=0.503 | P=0.307 |
| COCH-ARM / FISHERS | P=0.237 | P=0.508 | P=0.508 | P=0.316 |
| ORDER RESTRICTED | P=0.271 | (e) | (e) | (e) |

TDMS No. 96011-06
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 CUMENE
 CAS Number: 98-82-8
 Pathologist: PIERCE, J. - GRUMBEIN, S.

Date Report Reqsted: 02/27/2006
 Time Report Reqsted: 15:32:52
 First Dose M/F: 06/11/01 / 06/11/01
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 105 WEEKS**

| DOSE | Females | | | |
|------|---------|---------|---------|---------|
| | CONTROL | 125 PPM | 250 PPM | 500 PPM |

**Stomach, Glandular
 Necrosis**

LESION RATES

| | | | | |
|--------------------|-----------|-----------|-----------|-----------|
| OVERALL (a) | 1/49 (2%) | 0/50 (0%) | 0/50 (0%) | 1/49 (2%) |
| POLY-3 RATE (b) | 1/44.24 | 0/44.83 | 0/46.73 | 1/46.25 |
| POLY-3 PERCENT (g) | 2.3% | 0% | 0% | 2.2% |
| TERMINAL (d) | 0/37 (0%) | 0/36 (0%) | 0/39 (0%) | 1/35 (3%) |
| FIRST INCIDENCE | 691 | --- | --- | 731 (T) |

STATISTICAL TESTS

| | | | | |
|---------------------|----------|----------|----------|----------|
| LIFE TABLE | P=0.600 | P=0.505N | P=0.490N | P=0.759N |
| POLY 3 | P=0.603 | P=0.497N | P=0.489N | P=0.751N |
| POLY 1.5 | P=0.600 | P=0.495N | P=0.490N | P=0.752N |
| POLY 6 | P=0.605 | P=0.500N | P=0.489N | P=0.751N |
| LOGISTIC REGRESSION | P=0.600 | P=0.497N | P=0.503N | P=0.758N |
| COCH-ARM / FISHERS | P=0.594 | P=0.495N | P=0.495N | P=0.753N |
| ORDER RESTRICTED | P=0.388N | (e) | (e) | (e) |

TDMS No. 96011-06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

CUMENE

CAS Number: 98-82-8

Pathologist: PIERCE, J. - GRUMBEIN, S.

Date Report Reqsted: 02/27/2006

Time Report Reqsted: 15:32:52

First Dose M/F: 06/11/01 / 06/11/01

Lab: BNW

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
TERMINAL SACRIFICE AT 105 WEEKS

| DOSE | Females | | | |
|------|---------|---------|---------|---------|
| | CONTROL | 125 PPM | 250 PPM | 500 PPM |

Thyroid Gland: Follicular Cell Hyperplasia

LESION RATES

| | | | | |
|--------------------|-------------|-------------|-------------|-------------|
| OVERALL (a) | 15/50 (30%) | 10/50 (20%) | 16/50 (32%) | 10/50 (20%) |
| POLY-3 RATE (b) | 15/45.02 | 10/44.85 | 16/47.13 | 10/47.46 |
| POLY-3 PERCENT (g) | 33.3% | 22.3% | 34% | 21.1% |
| TERMINAL (d) | 12/37 (32%) | 9/36 (25%) | 13/39 (33%) | 7/35 (20%) |
| FIRST INCIDENCE | 645 | 726 | 687 | 679 |

STATISTICAL TESTS

| | | | | |
|---------------------|----------|----------|---------|----------|
| LIFE TABLE | P=0.266N | P=0.202N | P=0.571 | P=0.204N |
| POLY 3 | P=0.185N | P=0.175N | P=0.562 | P=0.137N |
| POLY 1.5 | P=0.199N | P=0.167N | P=0.554 | P=0.143N |
| POLY 6 | P=0.179N | P=0.193N | P=0.557 | P=0.138N |
| LOGISTIC REGRESSION | P=0.179N | P=0.168N | P=0.577 | P=0.135N |
| COCH-ARM / FISHERS | P=0.246N | P=0.178N | P=0.500 | P=0.178N |
| ORDER RESTRICTED | P=0.144N | (e) | (e) | (e) |

TDMS No. 96011-06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

CUMENE

CAS Number: 98-82-8

Pathologist: PIERCE, J. - GRUMBEIN, S.

Date Report Reqsted: 02/27/2006

Time Report Reqsted: 15:32:52

First Dose M/F: 06/11/01 / 06/11/01

Lab: BNW

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
TERMINAL SACRIFICE AT 105 WEEKS

| DOSE | Females | | | |
|------|---------|---------|---------|---------|
| | CONTROL | 125 PPM | 250 PPM | 500 PPM |

Tooth Malformation

LESION RATES

| | | | | |
|--------------------|----------|----------|----------|----------|
| OVERALL (a) | 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 |
| POLY-3 PERCENT (g) | 0% | 0% | 0% | 0% |
| TERMINAL (d) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) |
| FIRST INCIDENCE | --- | --- | --- | --- |

STATISTICAL TESTS

| | | | | |
|---------------------|-----|-----|-----|-----|
| LIFE TABLE | (e) | (e) | (e) | (e) |
| POLY 3 | (e) | (e) | (e) | (e) |
| POLY 1.5 | (e) | (e) | (e) | (e) |
| POLY 6 | (e) | (e) | (e) | (e) |
| LOGISTIC REGRESSION | (e) | (e) | (e) | (e) |
| COCH-ARM / FISHERS | (e) | (e) | (e) | (e) |
| ORDER RESTRICTED | (e) | (e) | (e) | (e) |

TDMS No. 96011-06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

CUMENE

CAS Number: 98-82-8

Pathologist: PIERCE, J. - GRUMBEIN, S.

Date Report Reqsted: 02/27/2006

Time Report Reqsted: 15:32:52

First Dose M/F: 06/11/01 / 06/11/01

Lab: BNW

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
TERMINAL SACRIFICE AT 105 WEEKS

| DOSE | Females | | | |
|------|---------|---------|---------|---------|
| | CONTROL | 125 PPM | 250 PPM | 500 PPM |

Trachea
Inflammation

LESION RATES

| | | | | |
|--------------------|-----------|-----------|-----------|-----------|
| OVERALL (a) | 0/50 (0%) | 0/50 (0%) | 0/50 (0%) | 2/50 (4%) |
| POLY-3 RATE (b) | 0/44.15 | 0/44.83 | 0/46.73 | 2/47.72 |
| POLY-3 PERCENT (g) | 0% | 0% | 0% | 4.2% |
| TERMINAL (d) | 0/37 (0%) | 0/36 (0%) | 0/39 (0%) | 0/35 (0%) |
| FIRST INCIDENCE | --- | --- | --- | 513 |

STATISTICAL TESTS

| | | | | |
|---------------------|----------|-----|-----|---------|
| LIFE TABLE | P=0.048* | (e) | (e) | P=0.241 |
| POLY 3 | P=0.049* | (e) | (e) | P=0.255 |
| POLY 1.5 | P=0.048* | (e) | (e) | P=0.251 |
| POLY 6 | P=0.050* | (e) | (e) | P=0.257 |
| LOGISTIC REGRESSION | P=0.017* | (e) | (e) | P=0.149 |
| COCH-ARM / FISHERS | P=0.046* | (e) | (e) | P=0.247 |
| ORDER RESTRICTED | P=0.035* | (e) | (e) | (e) |

TDMS No. 96011-06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

CUMENE

CAS Number: 98-82-8

Pathologist: PIERCE, J. - GRUMBEIN, S.

Date Report Reqsted: 02/27/2006

Time Report Reqsted: 15:32:52

First Dose M/F: 06/11/01 / 06/11/01

Lab: BNW

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
TERMINAL SACRIFICE AT 105 WEEKS

| DOSE | Females | | | |
|------|---------|---------|---------|---------|
| | CONTROL | 125 PPM | 250 PPM | 500 PPM |

Uterus
Angiectasis

LESION RATES

| | | | | |
|--------------------|-----------|-----------|-----------|-----------|
| OVERALL (a) | 1/50 (2%) | 2/50 (4%) | 1/50 (2%) | 3/50 (6%) |
| POLY-3 RATE (b) | 1/44.30 | 2/44.83 | 1/46.73 | 3/47.10 |
| POLY-3 PERCENT (g) | 2.3% | 4.5% | 2.1% | 6.4% |
| TERMINAL (d) | 0/37 (0%) | 2/36 (6%) | 1/39 (3%) | 2/35 (6%) |
| FIRST INCIDENCE | 691 | 731 (T) | 731 (T) | 718 |

STATISTICAL TESTS

| | | | | |
|---------------------|---------|---------|----------|---------|
| LIFE TABLE | P=0.233 | P=0.491 | P=0.749N | P=0.304 |
| POLY 3 | P=0.259 | P=0.504 | P=0.749N | P=0.328 |
| POLY 1.5 | P=0.254 | P=0.506 | P=0.750N | P=0.324 |
| POLY 6 | P=0.260 | P=0.499 | P=0.749N | P=0.328 |
| LOGISTIC REGRESSION | P=0.260 | P=0.504 | P=0.755N | P=0.326 |
| COCH-ARM / FISHERS | P=0.237 | P=0.500 | P=0.753N | P=0.309 |
| ORDER RESTRICTED | P=0.245 | (e) | (e) | (e) |

TDMS No. 96011-06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

CUMENE

CAS Number: 98-82-8

Pathologist: PIERCE, J. - GRUMBEIN, S.

Date Report Reqsted: 02/27/2006

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First Dose M/F: 06/11/01 / 06/11/01

Lab: BNW

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
TERMINAL SACRIFICE AT 105 WEEKS

| DOSE | Females | | | |
|------|---------|---------|---------|---------|
| | CONTROL | 125 PPM | 250 PPM | 500 PPM |

Uterus
Inflammation

LESION RATES

| | | | | |
|--------------------|-----------|-----------|-----------|-----------|
| OVERALL (a) | 1/50 (2%) | 2/50 (4%) | 0/50 (0%) | 1/50 (2%) |
| POLY-3 RATE (b) | 1/44.30 | 2/44.83 | 0/46.73 | 1/47.07 |
| POLY-3 PERCENT (g) | 2.3% | 4.5% | 0% | 2.1% |
| TERMINAL (d) | 0/37 (0%) | 2/36 (6%) | 0/39 (0%) | 0/35 (0%) |
| FIRST INCIDENCE | 691 | 731 (T) | --- | 726 |

STATISTICAL TESTS

| | | | | |
|---------------------|----------|---------|----------|----------|
| LIFE TABLE | P=0.503N | P=0.491 | P=0.490N | P=0.758N |
| POLY 3 | P=0.487N | P=0.504 | P=0.489N | P=0.747N |
| POLY 1.5 | P=0.489N | P=0.506 | P=0.491N | P=0.749N |
| POLY 6 | P=0.487N | P=0.499 | P=0.489N | P=0.747N |
| LOGISTIC REGRESSION | P=0.480N | P=0.504 | P=0.505N | P=0.757N |
| COCH-ARM / FISHERS | P=0.500N | P=0.500 | P=0.500N | P=0.753N |
| ORDER RESTRICTED | P=0.362N | (e) | (e) | (e) |

TDMS No. 96011-06
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 CUMENE
 CAS Number: 98-82-8
 Pathologist: PIERCE, J. - GRUMBEIN, S.

Date Report Reqsted: 02/27/2006
 Time Report Reqsted: 15:32:52
 First Dose M/F: 06/11/01 / 06/11/01
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 105 WEEKS**

| DOSE | Females | | | |
|------|---------|---------|---------|---------|
| | CONTROL | 125 PPM | 250 PPM | 500 PPM |

Uterus
 Thrombosis

LESION RATES

| | | | | |
|--------------------|-----------|-----------|-----------|-----------|
| OVERALL (a) | 1/50 (2%) | 0/50 (0%) | 0/50 (0%) | 2/50 (4%) |
| POLY-3 RATE (b) | 1/44.15 | 0/44.83 | 0/46.73 | 2/47.05 |
| POLY-3 PERCENT (g) | 2.3% | 0% | 0% | 4.3% |
| TERMINAL (d) | 1/37 (3%) | 0/36 (0%) | 0/39 (0%) | 2/35 (6%) |
| FIRST INCIDENCE | 731 (T) | --- | --- | 731 (T) |

STATISTICAL TESTS

| | | | | |
|---------------------|---------|----------|----------|---------|
| LIFE TABLE | P=0.235 | P=0.505N | P=0.489N | P=0.481 |
| POLY 3 | P=0.254 | P=0.497N | P=0.489N | P=0.522 |
| POLY 1.5 | P=0.251 | P=0.496N | P=0.491N | P=0.518 |
| POLY 6 | P=0.255 | P=0.499N | P=0.488N | P=0.523 |
| LOGISTIC REGRESSION | P=0.235 | (e) | (e) | P=0.481 |
| COCH-ARM / FISHERS | P=0.246 | P=0.500N | P=0.500N | P=0.500 |
| ORDER RESTRICTED | P=0.145 | (e) | (e) | (e) |

TDMS No. 96011-06
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 CUMENE
 CAS Number: 98-82-8
 Pathologist: PIERCE, J. - GRUMBEIN, S.

Date Report Reqsted: 02/27/2006
 Time Report Reqsted: 15:32:52
 First Dose M/F: 06/11/01 / 06/11/01
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 105 WEEKS**

| DOSE | Females | | | |
|---|------------|-------------|-------------|------------|
| | CONTROL | 125 PPM | 250 PPM | 500 PPM |
| Uterus: Endometrium Hyperplasia Cystic | | | | |
| LESION RATES | | | | |
| OVERALL (a) | 8/50 (16%) | 11/50 (22%) | 18/50 (36%) | 8/50 (16%) |
| POLY-3 RATE (b) | 8/44.51 | 11/46.14 | 18/48.04 | 8/47.74 |
| POLY-3 PERCENT (g) | 18% | 23.8% | 37.5% | 16.8% |
| TERMINAL (d) | 5/37 (14%) | 7/36 (19%) | 14/39 (36%) | 4/35 (11%) |
| FIRST INCIDENCE | 683 | 609 | 509 | 662 |
| STATISTICAL TESTS | | | | |
| LIFE TABLE | P=0.534 | P=0.300 | P=0.037* | P=0.601N |
| POLY 3 | P=0.464N | P=0.335 | P=0.030* | P=0.548N |
| POLY 1.5 | P=0.485N | P=0.331 | P=0.027* | P=0.561N |
| POLY 6 | P=0.453N | P=0.337 | P=0.031* | P=0.541N |
| LOGISTIC REGRESSION | P=0.528N | P=0.317 | P=0.026* | P=0.566N |
| COCH-ARM / FISHERS | P=0.534 | P=0.306 | P=0.020* | P=0.607N |
| ORDER RESTRICTED | P=0.206N | (e) | (e) | (e) |

TDMS No. 96011-06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

CUMENE

CAS Number: 98-82-8

Pathologist: PIERCE, J. - GRUMBEIN, S.

Date Report Requested: 02/27/2006

Time Report Requested: 15:32:52

First Dose M/F: 06/11/01 / 06/11/01

Lab: BNW

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.
 - (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. The life table analysis regards tumors in animals dying prior to terminal kill as being (directly or indirectly) the cause of death.
 - (e) Value of Statistic cannot be computed.
 - (g) Poly-3 adjusted lifetime tumor incidence.
 - (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
- Logistic regression is an alternative method for analyzing the incidence of non-fatal tumors.
The Cochran-Armitage and Fishers exact tests compare directly the overall incidence rates.

*** END OF REPORT ***