

TDMS No. 20301 - 04

**P18: INCIDENCE RATES OF NON-NEOPLASTIC LESIONS BY ANATOMIC SITE (a) WITH
AVERAGE SEVERITY GRADES[b]**

Date Report Requested: 05/19/2011

Test Type: 90-DAY

p-Toluenesulfonamide

Time Report Requested: 12:47:52

Route: DOSED FEED

CAS Number: 70-55-3

First Dose M/F: 10/19/06 / 10/20/06

Species/Strain: MICE/B6C3F1

Lab: MBA

F1_M3

C Number: C20301

Lock Date: 12/23/2009

Cage Range: ALL

Date Range: ALL

Reasons For Removal: 25022 ACCK

25021 TSAC

Removal Date Range: ALL

Treatment Groups: Include 001 0 ppm

Include 002 625 ppm

Include 003 1250 ppm

Include 004 2500 ppm

Include 005 5000 ppm

Include 006 10000 ppm

Include 008 0 ppm

Include 009 625 ppm

Include 010 1250 ppm

Include 011 2500 ppm

Include 012 5000 ppm

Include 013 10000 ppm

Study Gender: Both

TDMSE Version: 2.4.0.0_003

PWG Approval Date: NONE

Test Type: 90-DAY

p-Toluenesulfonamide

Time Report Requested: 12:47:52

Route: DOSED FEED

CAS Number: 70-55-3

First Dose M/F: 10/19/06 / 10/20/06

Species/Strain: MICE/B6C3F1

Lab: MBA

| B6C3F1 MICE MALE | 0 ppm | 625 ppm | 1250 ppm | 2500 ppm | 5000 ppm | 10000 ppm |
|------------------|-------|---------|----------|----------|----------|-----------|
|------------------|-------|---------|----------|----------|----------|-----------|

Disposition Summary

| | | | | | | |
|----------------------------------|----|----|----|----|----|----|
| Animals Initially In Study | 10 | 10 | 10 | 10 | 10 | 10 |
| Early Deaths | | | | | | |
| Survivors | | | | | | |
| Terminal Sacrifice | 10 | 10 | 10 | 10 | 10 | 10 |
| Animals Examined Microscopically | 10 | | | | | 10 |

ALIMENTARY SYSTEM

| | | | | | | |
|---------------------------|---------|-----|-----|-----|-----|---------|
| Esophagus | (10) | (0) | (0) | (0) | (0) | (10) |
| Gallbladder | (9) | (0) | (0) | (0) | (0) | (10) |
| Intestine Large, Cecum | (10) | (0) | (0) | (0) | (0) | (10) |
| Intestine Large, Colon | (10) | (0) | (0) | (0) | (0) | (10) |
| Intestine Large, Rectum | (10) | (0) | (0) | (0) | (0) | (10) |
| Intestine Small, Duodenum | (10) | (0) | (0) | (0) | (0) | (10) |
| Intestine Small, Ileum | (10) | (0) | (0) | (0) | (0) | (10) |
| Intestine Small, Jejunum | (10) | (0) | (0) | (0) | (0) | (10) |
| Liver | (10) | (0) | (0) | (0) | (0) | (10) |
| Inflammation, Chronic | 3 [1.0] | | | | | 3 [1.0] |
| Oral Mucosa | (10) | (0) | (0) | (0) | (0) | (10) |
| Pancreas | (10) | (0) | (0) | (0) | (0) | (10) |
| Salivary Glands | (10) | (0) | (0) | (0) | (0) | (10) |
| Stomach, Forestomach | (10) | (0) | (0) | (0) | (0) | (10) |
| Stomach, Glandular | (10) | (0) | (0) | (0) | (0) | (10) |
| Tongue | (10) | (0) | (0) | (0) | (0) | (10) |

CARDIOVASCULAR SYSTEM

| | | | | | | |
|--------------|------|-----|-----|-----|-----|------|
| Blood Vessel | (9) | (0) | (0) | (0) | (0) | (10) |
| Heart | (10) | (0) | (0) | (0) | (0) | (10) |

ENDOCRINE SYSTEM

| | | | | | | |
|----------------|------|-----|-----|-----|-----|------|
| Adrenal Cortex | (10) | (0) | (0) | (0) | (0) | (10) |
|----------------|------|-----|-----|-----|-----|------|

a - Number of animals examined microscopically at site and number of animals with lesion

b-Average severity grade(1-minimal;2-mild;3-moderate;4-marked)

Test Type: 90-DAY

p-Toluenesulfonamide

Time Report Requested: 12:47:52

Route: DOSED FEED

CAS Number: 70-55-3

First Dose M/F: 10/19/06 / 10/20/06

Species/Strain: MICE/B6C3F1

Lab: MBA

| B6C3F1 MICE MALE | 0 ppm | 625 ppm | 1250 ppm | 2500 ppm | 5000 ppm | 10000 ppm |
|-----------------------------|---------|---------|----------|----------|----------|-----------|
| Subcapsular, Hyperplasia | 1 [1.0] | | | | | |
| Adrenal Medulla | (10) | (0) | (0) | (0) | (0) | (10) |
| Parathyroid Gland | (5) | (0) | (0) | (0) | (0) | (9) |
| Pituitary Gland | (10) | (0) | (0) | (0) | (0) | (10) |
| Thyroid Gland | (10) | (0) | (0) | (0) | (0) | (10) |
| Cyst | 1 | | | | | |
| GENERAL BODY SYSTEM | | | | | | |
| None | | | | | | |
| GENITAL SYSTEM | | | | | | |
| Epididymis | (10) | (0) | (0) | (0) | (0) | (10) |
| Preputial Gland | (10) | (0) | (0) | (0) | (0) | (10) |
| Prostate | (10) | (0) | (0) | (0) | (0) | (10) |
| Seminal Vesicle | (10) | (0) | (0) | (0) | (0) | (10) |
| Testes | (10) | (0) | (0) | (0) | (0) | (10) |
| HEMATOPOIETIC SYSTEM | | | | | | |
| Bone Marrow | (10) | (0) | (0) | (0) | (0) | (10) |
| Lymph Node, Mandibular | (10) | (0) | (0) | (0) | (0) | (10) |
| Lymph Node, Mesenteric | (10) | (0) | (0) | (0) | (0) | (10) |
| Spleen | (10) | (0) | (0) | (0) | (0) | (10) |
| Thymus | (10) | (0) | (0) | (0) | (0) | (10) |
| INTEGUMENTARY SYSTEM | | | | | | |
| Mammary Gland | (4) | (0) | (0) | (0) | (0) | (5) |
| Skin | (10) | (0) | (0) | (0) | (0) | (10) |

a - Number of animals examined microscopically at site and number of animals with lesion

b-Average severity grade(1-minimal;2-mild;3-moderate;4-marked)

Test Type: 90-DAY

p-Toluenesulfonamide

Time Report Requested: 12:47:52

Route: DOSED FEED

CAS Number: 70-55-3

First Dose M/F: 10/19/06 / 10/20/06

Species/Strain: MICE/B6C3F1

Lab: MBA

| B6C3F1 MICE MALE | 0 ppm | 625 ppm | 1250 ppm | 2500 ppm | 5000 ppm | 10000 ppm |
|--|---------|---------|----------|----------|----------|-----------|
| MUSCULOSKELETAL SYSTEM | | | | | | |
| Bone | (10) | (0) | (0) | (0) | (0) | (10) |
| NERVOUS SYSTEM | | | | | | |
| Brain | (10) | (0) | (0) | (0) | (0) | (10) |
| RESPIRATORY SYSTEM | | | | | | |
| Larynx | (10) | (0) | (0) | (0) | (0) | (10) |
| Lung | (10) | (0) | (0) | (0) | (0) | (10) |
| Nose | (10) | (0) | (0) | (0) | (0) | (10) |
| Trachea | (10) | (0) | (0) | (0) | (0) | (10) |
| SPECIAL SENSES SYSTEM | | | | | | |
| Eye | (10) | (0) | (0) | (0) | (0) | (10) |
| Retrobulbar, Inflammation, Suppurative | 3 [1.3] | | | | | 5 [1.4] |
| Harderian Gland | (10) | (0) | (0) | (0) | (0) | (10) |
| Inflammation, Suppurative | 1 [2.0] | | | | | 1 [2.0] |
| URINARY SYSTEM | | | | | | |
| Kidney | (10) | (0) | (0) | (0) | (0) | (10) |
| Inflammation, Chronic | 2 [1.0] | | | | | |
| Nephropathy | 1 [1.0] | | | | | |
| Urinary Bladder | (10) | (0) | (0) | (0) | (0) | (10) |

*** END OF MALE ***

a - Number of animals examined microscopically at site and number of animals with lesion

b-Average severity grade(1-minimal;2-mild;3-moderate;4-marked)

Test Type: 90-DAY

p-Toluenesulfonamide

Time Report Requested: 12:47:52

Route: DOSED FEED

CAS Number: 70-55-3

First Dose M/F: 10/19/06 / 10/20/06

Species/Strain: MICE/B6C3F1

Lab: MBA

| B6C3F1 MICE FEMALE | 0 ppm | 625 ppm | 1250 ppm | 2500 ppm | 5000 ppm | 10000 ppm |
|--------------------|-------|---------|----------|----------|----------|-----------|
|--------------------|-------|---------|----------|----------|----------|-----------|

Disposition Summary

| | | | | | | |
|----------------------------------|----|----|----|----|----|----|
| Animals Initially In Study | 10 | 10 | 10 | 10 | 10 | 10 |
| Early Deaths | | | | | | |
| Accidentally Killed | | | | | | 1 |
| Survivors | | | | | | |
| Terminal Sacrifice | 10 | 10 | 10 | 10 | 10 | 9 |
| Animals Examined Microscopically | 10 | | | | | 10 |

ALIMENTARY SYSTEM

| | | | | | | |
|---------------------------|---------|-----|-----|-----|-----|---------|
| Esophagus | (10) | (0) | (0) | (0) | (0) | (10) |
| Gallbladder | (10) | (0) | (0) | (0) | (0) | (9) |
| Intestine Large, Cecum | (10) | (0) | (0) | (0) | (0) | (9) |
| Intestine Large, Colon | (10) | (0) | (0) | (0) | (0) | (9) |
| Intestine Large, Rectum | (10) | (0) | (0) | (0) | (0) | (9) |
| Intestine Small, Duodenum | (10) | (0) | (0) | (0) | (0) | (9) |
| Intestine Small, Ileum | (10) | (0) | (0) | (0) | (0) | (9) |
| Intestine Small, Jejunum | (10) | (0) | (0) | (0) | (0) | (9) |
| Liver | (10) | (0) | (0) | (0) | (0) | (9) |
| Inflammation, Chronic | 2 [1.0] | | | | | 4 [1.0] |
| Necrosis | 1 [1.0] | | | | | |
| Oral Mucosa | (10) | (0) | (0) | (0) | (0) | (10) |
| Pancreas | (10) | (0) | (0) | (0) | (0) | (9) |
| Salivary Glands | (10) | (0) | (0) | (0) | (0) | (10) |
| Stomach, Forestomach | (10) | (0) | (0) | (0) | (0) | (9) |
| Stomach, Glandular | (10) | (0) | (0) | (0) | (0) | (9) |
| Tongue | (10) | (0) | (0) | (0) | (0) | (10) |

CARDIOVASCULAR SYSTEM

| | | | | | | |
|--------------|------|-----|-----|-----|-----|------|
| Blood Vessel | (10) | (0) | (0) | (0) | (0) | (10) |
| Heart | (10) | (0) | (0) | (0) | (0) | (10) |

a - Number of animals examined microscopically at site and number of animals with lesion

b-Average severity grade(1-minimal;2-mild;3-moderate;4-marked)

Test Type: 90-DAY

p-Toluenesulfonamide

Time Report Requested: 12:47:52

Route: DOSED FEED

CAS Number: 70-55-3

First Dose M/F: 10/19/06 / 10/20/06

Species/Strain: MICE/B6C3F1

Lab: MBA

| B6C3F1 MICE FEMALE | 0 ppm | 625 ppm | 1250 ppm | 2500 ppm | 5000 ppm | 10000 ppm |
|------------------------------------|---------|---------|----------|----------|----------|-----------|
| ENDOCRINE SYSTEM | | | | | | |
| Adrenal Cortex | (10) | (0) | (0) | (0) | (0) | (10) |
| Subcapsular, Hyperplasia | 5 [1.8] | | | | | 6 [1.8] |
| Adrenal Medulla | (10) | (0) | (0) | (0) | (0) | (10) |
| Parathyroid Gland | (10) | (0) | (0) | (0) | (0) | (10) |
| Pituitary Gland | (10) | (0) | (0) | (0) | (0) | (10) |
| Thyroid Gland | (10) | (0) | (0) | (0) | (0) | (10) |
| GENERAL BODY SYSTEM | | | | | | |
| None | | | | | | |
| GENITAL SYSTEM | | | | | | |
| Clitoral Gland | (1) | (0) | (0) | (0) | (0) | (1) |
| Ovary | (10) | (0) | (0) | (0) | (0) | (9) |
| Inflammation, Granulomatous, Focal | | | | | | 1 [2.0] |
| Uterus | (10) | (0) | (0) | (0) | (0) | (9) |
| HEMATOPOIETIC SYSTEM | | | | | | |
| Bone Marrow | (10) | (0) | (0) | (0) | (0) | (10) |
| Lymph Node, Mandibular | (10) | (0) | (0) | (0) | (0) | (10) |
| Lymph Node, Mesenteric | (10) | (0) | (0) | (0) | (0) | (8) |
| Spleen | (10) | (0) | (0) | (0) | (0) | (9) |
| Thymus | (10) | (0) | (0) | (0) | (0) | (10) |
| INTEGUMENTARY SYSTEM | | | | | | |
| Mammary Gland | (10) | (0) | (0) | (0) | (0) | (10) |
| Skin | (10) | (0) | (0) | (0) | (0) | (10) |

a - Number of animals examined microscopically at site and number of animals with lesion

b-Average severity grade(1-minimal;2-mild;3-moderate;4-marked)

Test Type: 90-DAY

p-Toluenesulfonamide

Time Report Requested: 12:47:52

Route: DOSED FEED

CAS Number: 70-55-3

First Dose M/F: 10/19/06 / 10/20/06

Species/Strain: MICE/B6C3F1

Lab: MBA

| B6C3F1 MICE FEMALE | 0 ppm | 625 ppm | 1250 ppm | 2500 ppm | 5000 ppm | 10000 ppm |
|--|---------|---------|----------|----------|----------|-----------|
| MUSCULOSKELETAL SYSTEM | | | | | | |
| Bone | (10) | (0) | (0) | (0) | (0) | (10) |
| NERVOUS SYSTEM | | | | | | |
| Brain | (10) | (0) | (0) | (0) | (0) | (10) |
| RESPIRATORY SYSTEM | | | | | | |
| Larynx | (10) | (0) | (0) | (0) | (0) | (10) |
| Lung | (10) | (0) | (0) | (0) | (0) | (10) |
| Hemorrhage | 1 [3.0] | | | | | |
| Arteriole, Inflammation, Focal, Acute | | | | | | 1 [2.0] |
| Nose | (10) | (0) | (0) | (0) | (0) | (10) |
| Trachea | (10) | (0) | (0) | (0) | (0) | (10) |
| SPECIAL SENSES SYSTEM | | | | | | |
| Eye | (10) | (0) | (0) | (0) | (0) | (10) |
| Retina, Dysplasia | | | | | | 1 [2.0] |
| Retrobulbar, Inflammation, Suppurative | 1 [1.0] | | | | | 1 [2.0] |
| Harderian Gland | (10) | (0) | (0) | (0) | (0) | (10) |
| Inflammation, Suppurative | | | | | | 1 [2.0] |
| Inflammation, Chronic | | | | | | 1 [1.0] |
| URINARY SYSTEM | | | | | | |
| Kidney | (10) | (0) | (0) | (0) | (0) | (10) |
| Nephropathy | 2 [1.0] | | | | | |
| Urinary Bladder | (10) | (0) | (0) | (0) | (0) | (9) |
| Inflammation, Chronic Active | | | | | | 1 [3.0] |

a - Number of animals examined microscopically at site and number of animals with lesion

b-Average severity grade(1-minimal;2-mild;3-moderate;4-marked)

Test Type: 90-DAY

p-Toluenesulfonamide

Time Report Requested: 12:47:52

Route: DOSED FEED

CAS Number: 70-55-3

First Dose M/F: 10/19/06 / 10/20/06

Species/Strain: MICE/B6C3F1

Lab: MBA

B6C3F1 MICE FEMALE

0 ppm

625 ppm

1250 ppm

2500 ppm

5000 ppm

10000 ppm

*** END OF REPORT ***