

**TDMS No.** 20301 - 03  
**Test Type:** 90-DAY  
**Route:** DOSED FEED  
**Species/Strain:** RATS/F344/N Tac

**P03: INCIDENCE RATES OF NON-NEOPLASTIC LESIONS BY ANATOMIC SITE(a)**

p-Toluenesulfonamide

**CAS Number:** 70-55-3

**Date Report Requested:** 05/19/2011

**Time Report Requested:** 12:43:46

**First Dose M/F:** 10/17/06 / 10/18/06

**Lab:** MBA

F1\_RD

**C Number:** C20301

**Lock Date:** 12/23/2009

**Cage Range:** ALL

**Date Range:** ALL

**Reasons For Removal:** 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 007 0 PPM

Include 008 625 PPM

Include 009 1250 PPM

Include 010 2500 PPM

Include 011 5000 PPM

Include 012 10000 PPM

**Study Gender:** Both

**TDMSE Version:** 2.4.0.0\_003

**PWG Approval Date:** NONE

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<b>Fischer 344-Taconic RATS MALE</b>	<b>0 PPM</b>	<b>625 PPM</b>	<b>1250 PPM</b>	<b>2500 PPM</b>	<b>5000 PPM</b>	<b>10000 PPM</b>
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**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

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ALIMENTARY SYSTEM

Esophagus	(10)	(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	9 (90%)					9 (90%)
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)
Glands, Ectasia, Focal	1 (10%)					1 (10%)
Tongue	(10)	(0)	(0)	(0)	(0)	(10)

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CARDIOVASCULAR SYSTEM

Blood Vessel	(10)	(0)	(0)	(0)	(0)	(10)
Heart	(10)	(0)	(0)	(0)	(0)	(10)
Cardiomyopathy	4 (40%)					4 (40%)
Infiltration Cellular, Histiocyte, Focal	2 (20%)					1 (10%)

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ENDOCRINE SYSTEM

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

Fischer 344-Taconic RATS MALE	0 PPM	625 PPM	1250 PPM	2500 PPM	5000 PPM	10000 PPM
Adrenal Cortex	(10)	(0)	(0)	(0)	(0)	(10)
Adrenal Medulla	(10)	(0)	(0)	(0)	(0)	(10)
Parathyroid Gland	(10)	(0)	(0)	(0)	(0)	(9)
Pituitary Gland	(10)	(0)	(0)	(0)	(0)	(10)
Thyroid Gland	(10)	(0)	(0)	(0)	(0)	(10)

## GENERAL BODY SYSTEM

None

## GENITAL SYSTEM

Epididymis	(10)	(0)	(0)	(0)	(0)	(10)
Preputial Gland	(9)	(0)	(0)	(0)	(0)	(10)
Inflammation, Chronic	2 (22%)					
Prostate	(10)	(0)	(0)	(0)	(0)	(10)
Seminal Vesicle	(10)	(0)	(0)	(0)	(0)	(10)
Testes	(10)	(0)	(0)	(0)	(0)	(10)
Atrophy						1 (10%)
Metaplasia, Cartilagenous, Focal						1 (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)
Infiltration Cellular, Histiocyte						1 (10%)
Spleen	(10)	(0)	(0)	(0)	(0)	(10)
Thymus	(10)	(0)	(0)	(0)	(0)	(10)

## INTEGUMENTARY SYSTEM

Mammary Gland	(7)	(0)	(0)	(0)	(0)	(9)
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a - Number of animals examined microscopically at site and number of animals with lesion

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Fischer 344-Taconic RATS MALE	0 PPM	625 PPM	1250 PPM	2500 PPM	5000 PPM	10000 PPM
Skin	(10)	(0)	(0)	(0)	(0)	(10)
<b>MUSCULOSKELETAL SYSTEM</b>						
Bone	(10)	(0)	(0)	(0)	(0)	(10)
<b>NERVOUS SYSTEM</b>						
Brain	(10)	(0)	(0)	(0)	(0)	(10)
<b>RESPIRATORY SYSTEM</b>						
Lung	(10)	(0)	(0)	(0)	(0)	(10)
Hemorrhage	1 (10%)					2 (20%)
Infiltration Cellular, Histiocyte	1 (10%)					2 (20%)
Inflammation, Chronic Active	2 (20%)					3 (30%)
Nose	(10)	(0)	(0)	(0)	(0)	(10)
Pleura	(1)	(0)	(0)	(0)	(0)	(0)
Trachea	(10)	(0)	(0)	(0)	(0)	(10)
<b>SPECIAL SENSES SYSTEM</b>						
Eye	(10)	(0)	(0)	(0)	(0)	(10)
Harderian Gland	(10)	(0)	(0)	(0)	(0)	(10)
<b>URINARY SYSTEM</b>						
Kidney	(10)	(0)	(0)	(0)	(0)	(10)
Inflammation	1 (10%)					
Nephropathy	4 (40%)					4 (40%)
Urinary Bladder	(10)	(0)	(0)	(0)	(0)	(10)

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

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**Fischer 344-Taconic RATS MALE**

**0 PPM**

**625 PPM**

**1250 PPM**

**2500 PPM**

**5000 PPM**

**10000 PPM**

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\*\*\* END OF MALE \*\*\*

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<b>Fischer 344-Taconic RATS FEMALE</b>	<b>0 PPM</b>	<b>625 PPM</b>	<b>1250 PPM</b>	<b>2500 PPM</b>	<b>5000 PPM</b>	<b>10000 PPM</b>
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**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

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ALIMENTARY SYSTEM

Esophagus	(10)	(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)
Hepatodiaphragmatic Nodule						1 (10%)
Inflammation, Chronic	10 (100%)					9 (90%)
Pancreas	(10)	(0)	(0)	(0)	(0)	(10)
Inflammation, Chronic						1 (10%)
Acinus, Atrophy	1 (10%)					1 (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)
Hyperplasia, Basal Cell	1 (10%)					
Tongue	(10)	(0)	(0)	(0)	(0)	(10)

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CARDIOVASCULAR SYSTEM

Blood Vessel	(10)	(0)	(0)	(0)	(0)	(10)
Heart	(10)	(0)	(0)	(0)	(0)	(10)
Cardiomyopathy	2 (20%)					1 (10%)

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Fischer 344-Taconic RATS FEMALE	0 PPM	625 PPM	1250 PPM	2500 PPM	5000 PPM	10000 PPM
<b>ENDOCRINE SYSTEM</b>						
Adrenal Cortex	(10)	(0)	(0)	(0)	(0)	(10)
Adrenal Medulla	(10)	(0)	(0)	(0)	(0)	(10)
Parathyroid Gland	(10)	(0)	(0)	(0)	(0)	(9)
Pituitary Gland	(10)	(0)	(0)	(0)	(0)	(10)
Thyroid Gland	(10)	(0)	(0)	(0)	(0)	(10)
<b>GENERAL BODY SYSTEM</b>						
None						
<b>GENITAL SYSTEM</b>						
Clitoral Gland	(10)	(0)	(0)	(0)	(0)	(10)
Inflammation, Chronic	1 (10%)					
Ovary	(10)	(0)	(0)	(0)	(0)	(10)
Cyst, Focal	1 (10%)					
Uterus	(10)	(0)	(0)	(0)	(0)	(10)
Bilateral, Hydrometra	2 (20%)					
<b>HEMATOPOIETIC SYSTEM</b>						
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)
Ectopic Tissue	1 (10%)					
Thymus	(10)	(0)	(0)	(0)	(0)	(10)
<b>INTEGUMENTARY SYSTEM</b>						
Mammary Gland	(10)	(0)	(0)	(0)	(0)	(10)

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Skin	(10)	(0)	(0)	(0)	(0)	(10)
<b>MUSCULOSKELETAL SYSTEM</b>						
Bone	(10)	(0)	(0)	(0)	(0)	(10)
<b>NERVOUS SYSTEM</b>						
Brain	(10)	(0)	(0)	(0)	(0)	(10)
<b>RESPIRATORY SYSTEM</b>						
Lung	(10)	(0)	(0)	(0)	(0)	(10)
Infiltration Cellular, Histiocyte	1 (10%)					1 (10%)
Inflammation, Chronic Active	1 (10%)					1 (10%)
Nose	(10)	(0)	(0)	(0)	(0)	(10)
Trachea	(10)	(0)	(0)	(0)	(0)	(10)
<b>SPECIAL SENSES SYSTEM</b>						
Eye	(10)	(0)	(0)	(0)	(0)	(10)
Harderian Gland	(10)	(0)	(0)	(0)	(0)	(10)
Inflammation, Chronic	1 (10%)					1 (10%)
<b>URINARY SYSTEM</b>						
Kidney	(10)	(0)	(0)	(0)	(0)	(10)
Nephropathy	1 (10%)					
Pelvis, Dilatation, Focal	1 (10%)					
Urinary Bladder	(10)	(0)	(0)	(0)	(0)	(10)

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

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