

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

**P04: NEOPLASMS BY INDIVIDUAL ANIMAL**  
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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DAY ON TEST		0	0	0	0	0	0	0	0	0	0
<b>FISCHER 344-TACONIC RATS MALE</b>		0	0	0	0	0	0	0	0	0	0
		9	9	9	9	9	9	9	9	9	9
<b>0 PPM</b>		2	2	2	2	2	2	2	2	2	2
		0	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	1	0
		1	2	3	4	5	6	7	8	9	0
<b>* TOTALS</b>											

**ALIMENTARY SYSTEM**

Esophagus	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Liver	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Pancreas	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Salivary Glands	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Tongue	+	+	+	+	+	+	+	+	+	+	<b>10</b>

**CARDIOVASCULAR SYSTEM**

Blood Vessel	+	+	+	+	+	+	+	+	+	+	<b>10</b>
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\* .. Total animals with tissue examined microscopically; Total animals with tumor  
 + .. Tissue examined microscopically  
 X .. Lesion present  
 I .. Insufficient tissue

M .. Missing tissue  
 A .. Autolysis precludes evaluation  
 BLANK .. Not examined microscopically

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

Lab: MBA

DAY ON TEST	0	0	0	0	0	0	0	0	0	0	ANIMAL ID	
	9	9	9	9	9	9	9	9	9	9		
FISCHER 344-TACONIC RATS MALE	2	2	2	2	2	2	2	2	2	2	0	
0 PPM	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	1	0	
	1	2	3	4	5	6	7	8	9	0		* TOTALS

Heart	+	+	+	+	+	+	+	+	+	+		10
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**ENDOCRINE SYSTEM**

Adrenal Cortex	+	+	+	+	+	+	+	+	+	+		10
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Adrenal Medulla	+	+	+	+	+	+	+	+	+	+		10
-----------------	---	---	---	---	---	---	---	---	---	---	--	----

Parathyroid Gland	+	+	+	+	+	+	+	+	+	+		10
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Pituitary Gland	+	+	+	+	+	+	+	+	+	+		10
-----------------	---	---	---	---	---	---	---	---	---	---	--	----

Thyroid Gland	+	+	+	+	+	+	+	+	+	+		10
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**GENERAL BODY SYSTEM**

NONE

**GENITAL SYSTEM**

Epididymis	+	+	+	+	+	+	+	+	+	+		10
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Preputial Gland	M	+	+	+	+	+	+	+	+	+		9
-----------------	---	---	---	---	---	---	---	---	---	---	--	---

Prostate	+	+	+	+	+	+	+	+	+	+		10
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Seminal Vesicle	+	+	+	+	+	+	+	+	+	+		10
-----------------	---	---	---	---	---	---	---	---	---	---	--	----

Testes	+	+	+	+	+	+	+	+	+	+		10
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**HEMATOPOIETIC SYSTEM**

\* .. Total animals with tissue examined microscopically; Total animals with tumor  
 + .. Tissue examined microscopically  
 X .. Lesion present  
 I .. Insufficient tissue

M .. Missing tissue  
 A .. Autolysis precludes evaluation  
 BLANK .. Not examined microscopically

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Lab: MBA

DAY ON TEST	0	0	0	0	0	0	0	0	0	0	ANIMAL ID		
	9	9	9	9	9	9	9	9	9	9			
FISCHER 344-TACONIC RATS MALE	2	2	2	2	2	2	2	2	2	2			
0 PPM	0	0	0	0	0	0	0	0	0	0			
	0	0	0	0	0	0	0	0	0	0			
	0	0	0	0	0	0	0	0	0	0			
	0	0	0	0	0	0	0	0	0	1			
	1	2	3	4	5	6	7	8	9	0			<b>* TOTALS</b>
Bone Marrow	+	+	+	+	+	+	+	+	+	+			<b>10</b>
Lymph Node, Mandibular	+	+	+	+	+	+	+	+	+	+			<b>10</b>
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+			<b>10</b>
Spleen	+	+	+	+	+	+	+	+	+	+			<b>10</b>
Thymus	+	+	+	+	+	+	+	+	+	+			<b>10</b>
<b>INTEGUMENTARY SYSTEM</b>													
Mammary Gland	+	+	+	+	+	M	+	M	M	+			<b>7</b>
Skin	+	+	+	+	+	+	+	+	+	+			<b>10</b>
<b>MUSCULOSKELETAL SYSTEM</b>													
Bone	+	+	+	+	+	+	+	+	+	+			<b>10</b>
<b>NERVOUS SYSTEM</b>													
Brain	+	+	+	+	+	+	+	+	+	+			<b>10</b>
<b>RESPIRATORY SYSTEM</b>													
Lung	+	+	+	+	+	+	+	+	+	+			<b>10</b>
Nose	+	+	+	+	+	+	+	+	+	+			<b>10</b>
Pleura			+										<b>1</b>

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Time Report Requested: 12:43:46

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

Lab: MBA

		0	0	0	0	0	0	0	0	0	
DAY ON TEST		0	0	0	0	0	0	0	0	0	
<b>FISCHER 344-TACONIC RATS MALE</b>		9	9	9	9	9	9	9	9	9	
<b>0 PPM</b>		2	2	2	2	2	2	2	2	2	
ANIMAL ID		0	0	0	0	0	0	0	0	0	
		0	0	0	0	0	0	0	0	0	
		0	0	0	0	0	0	0	0	0	
		0	0	0	0	0	0	0	0	1	
		1	2	3	4	5	6	7	8	9	0
<b>* TOTALS</b>											
Trachea		+	+	+	+	+	+	+	+	+	<b>10</b>
<b>SPECIAL SENSES SYSTEM</b>											
Eye		+	+	+	+	+	+	+	+	+	<b>10</b>
Harderian Gland		+	+	+	+	+	+	+	+	+	<b>10</b>
<b>URINARY SYSTEM</b>											
Kidney		+	+	+	+	+	+	+	+	+	<b>10</b>
Urinary Bladder		+	+	+	+	+	+	+	+	+	<b>10</b>
<b>SYSTEMIC LESIONS</b>											
Multiple Organ		+	+	+	+	+	+	+	+	+	<b>10</b>

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 Lab: MBA

DAY ON TEST		0	0	0	0	0	0	0	0	0	0
<b>FISCHER 344-TACONIC RATS MALE</b>		0	0	0	0	0	0	0	0	0	0
		9	9	9	9	9	9	9	9	9	9
<b>10000 PPM</b>		2	2	2	2	2	2	2	2	2	2
		0	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	0	0
		5	5	5	5	5	5	5	5	6	6
		1	2	3	4	5	6	7	8	9	0
<b>* TOTALS</b>											

**ALIMENTARY SYSTEM**

Esophagus	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Liver	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Pancreas	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Salivary Glands	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Tongue	+	+	+	+	+	+	+	+	+	+	<b>10</b>

**CARDIOVASCULAR SYSTEM**

Blood Vessel	+	+	+	+	+	+	+	+	+	+	<b>10</b>
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\* .. Total animals with tissue examined microscopically; Total animals with tumor  
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Lab: MBA

DAY ON TEST		0	0	0	0	0	0	0	0	0	
FISCHER 344-TACONIC RATS MALE		9	9	9	9	9	9	9	9	9	
10000 PPM		2	2	2	2	2	2	2	2	2	
ANIMAL ID		0	0	0	0	0	0	0	0	0	
		0	0	0	0	0	0	0	0	0	
		5	5	5	5	5	5	5	5	6	
		1	2	3	4	5	6	7	8	9	0
<b>* TOTALS</b>											

Heart	+	+	+	+	+	+	+	+	+	+	+	<b>10</b>
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**ENDOCRINE SYSTEM**

Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	+	<b>10</b>
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Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	+	<b>10</b>
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Parathyroid Gland	+	+	+	+	+	+	+	+	M	+		<b>9</b>
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Pituitary Gland	+	+	+	+	+	+	+	+	+	+	+	<b>10</b>
-----------------	---	---	---	---	---	---	---	---	---	---	---	-----------

Thyroid Gland	+	+	+	+	+	+	+	+	+	+	+	<b>10</b>
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**GENERAL BODY SYSTEM**

NONE

**GENITAL SYSTEM**

Epididymis	+	+	+	+	+	+	+	+	+	+	+	<b>10</b>
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Preputial Gland	+	+	+	+	+	+	+	+	+	+	+	<b>10</b>
-----------------	---	---	---	---	---	---	---	---	---	---	---	-----------

Prostate	+	+	+	+	+	+	+	+	+	+	+	<b>10</b>
----------	---	---	---	---	---	---	---	---	---	---	---	-----------

Seminal Vesicle	+	+	+	+	+	+	+	+	+	+	+	<b>10</b>
-----------------	---	---	---	---	---	---	---	---	---	---	---	-----------

Testes	+	+	+	+	+	+	+	+	+	+	+	<b>10</b>
--------	---	---	---	---	---	---	---	---	---	---	---	-----------

**HEMATOPOIETIC SYSTEM**

\* .. Total animals with tissue examined microscopically; Total animals with tumor  
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Lab: MBA

FISCHER 344-TACONIC RATS MALE 10000 PPM	DAY ON TEST										* TOTALS
	0 9 2	0 9 2	0 9 2	0 9 2	0 9 2	0 9 2	0 9 2	0 9 2	0 9 2	0 9 2	
ANIMAL ID	0 0 5 1	0 0 5 2	0 0 5 3	0 0 5 4	0 0 5 5	0 0 5 6	0 0 5 7	0 0 5 8	0 0 5 9	0 0 6 0	
Bone Marrow	+	+	+	+	+	+	+	+	+	+	10
Lymph Node, Mandibular	+	+	+	+	+	+	+	+	+	+	10
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	10
Spleen	+	+	+	+	+	+	+	+	+	+	10
Thymus	+	+	+	+	+	+	+	+	+	+	10
<b>INTEGUMENTARY SYSTEM</b>											
Mammary Gland	M	+	+	+	+	+	+	+	+	+	9
Skin	+	+	+	+	+	+	+	+	+	+	10
<b>MUSCULOSKELETAL SYSTEM</b>											
Bone	+	+	+	+	+	+	+	+	+	+	10
<b>NERVOUS SYSTEM</b>											
Brain	+	+	+	+	+	+	+	+	+	+	10
<b>RESPIRATORY SYSTEM</b>											
Lung	+	+	+	+	+	+	+	+	+	+	10
Nose	+	+	+	+	+	+	+	+	+	+	10
Trachea	+	+	+	+	+	+	+	+	+	+	10

\* .. Total animals with tissue examined microscopically; Total animals with tumor  
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Lab: MBA

	DAY ON TEST	0	0	0	0	0	0	0	0	0	
<b>FISCHER 344-TACONIC RATS MALE</b>		0	0	0	0	0	0	0	0	0	
<b>10000 PPM</b>		9	9	9	9	9	9	9	9	9	
	ANIMAL ID	2	2	2	2	2	2	2	2	2	
		0	0	0	0	0	0	0	0	0	
		0	0	0	0	0	0	0	0	0	
		0	0	0	0	0	0	0	0	0	
		5	5	5	5	5	5	5	5	6	
		1	2	3	4	5	6	7	8	9	
											<b>* TOTALS</b>

**SPECIAL SENSES SYSTEM**

Eye	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Harderian Gland	+	+	+	+	+	+	+	+	+	+	<b>10</b>

**URINARY SYSTEM**

Kidney	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	<b>10</b>

**SYSTEMIC LESIONS**

Multiple Organ	+	+	+	+	+	+	+	+	+	+	<b>10</b>
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\*\*\* END OF MALE DATA \*\*\*

\* .. Total animals with tissue examined microscopically; Total animals with tumor  
+ .. Tissue examined microscopically  
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		0	0	0	0	0	0	0	0	0	
<b>FISCHER 344-TACONIC RATS</b>	DAY ON TEST	0	0	0	0	0	0	0	0	0	
		9	9	9	9	9	9	9	9	9	
<b>FEMALE</b>		2	2	2	2	2	2	2	2	2	
<b>0 PPM</b>											
	ANIMAL ID	0	0	0	0	0	0	0	0	0	
		0	0	0	0	0	0	0	0	0	
		0	0	0	0	0	0	0	0	0	
		6	6	6	6	6	6	6	6	7	
		1	2	3	4	5	6	7	8	9	0
<b>* TOTALS</b>											

**ALIMENTARY SYSTEM**

Esophagus	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Liver	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Pancreas	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Salivary Glands	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Tongue	+	+	+	+	+	+	+	+	+	+	<b>10</b>

**CARDIOVASCULAR SYSTEM**

\* .. Total animals with tissue examined microscopically; Total animals with tumor  
 + .. Tissue examined microscopically  
 X .. Lesion present  
 I .. Insufficient tissue

M .. Missing tissue  
 A .. Autolysis precludes evaluation  
 BLANK .. Not examined microscopically

TDMS No. 20301 - 03

Test Type: 90-DAY

Route: DOSED FEED

Species/Strain: RATS/F344/N Tac

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

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

FISCHER 344-TACONIC RATS FEMALE 0 PPM	DAY ON TEST										ANIMAL ID			
	0 9 2	0 9 2	0 9 2	0 9 2	0 9 2	0 9 2	0 9 2	0 9 2	0 9 2	0 9 2				
	0	0	0	0	0	0	0	0	0	0	0 0 0 6 1			
	<b>* TOTALS</b>													
Blood Vessel	+	+	+	+	+	+	+	+	+	+			<b>10</b>	
Heart	+	+	+	+	+	+	+	+	+	+			<b>10</b>	
<b>ENDOCRINE SYSTEM</b>														
Adrenal Cortex	+	+	+	+	+	+	+	+	+	+			<b>10</b>	
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+			<b>10</b>	
Parathyroid Gland	+	+	+	+	+	+	+	+	+	+			<b>10</b>	
Pituitary Gland	+	+	+	+	+	+	+	+	+	+			<b>10</b>	
Thyroid Gland	+	+	+	+	+	+	+	+	+	+			<b>10</b>	
<b>GENERAL BODY SYSTEM</b>														
NONE														
<b>GENITAL SYSTEM</b>														
Clitoral Gland	+	+	+	+	+	+	+	+	+	+			<b>10</b>	
Ovary	+	+	+	+	+	+	+	+	+	+			<b>10</b>	
Uterus	+	+	+	+	+	+	+	+	+	+			<b>10</b>	
<b>HEMATOPOIETIC SYSTEM</b>														

\* .. Total animals with tissue examined microscopically; Total animals with tumor  
+ .. Tissue examined microscopically  
X .. Lesion present  
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TDMS No. 20301 - 03  
 Test Type: 90-DAY  
 Route: DOSED FEED  
 Species/Strain: RATS/F344/N Tac

P04: NEOPLASMS BY INDIVIDUAL ANIMAL  
 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

FISCHER 344-TACONIC RATS FEMALE 0 PPM	DAY ON TEST										ANIMAL ID		
	0 9 2	0 9 2	0 9 2	0 9 2	0 9 2	0 9 2	0 9 2	0 9 2	0 9 2	0 9 2			
	0	0	0	0	0	0	0	0	0	0	0 0 0 6 1		<b>* TOTALS</b>
Bone Marrow	+	+	+	+	+	+	+	+	+	+		<b>10</b>	
Lymph Node, Mandibular	+	+	+	+	+	+	+	+	+	+		<b>10</b>	
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+		<b>10</b>	
Spleen	+	+	+	+	+	+	+	+	+	+		<b>10</b>	
Thymus	+	+	+	+	+	+	+	+	+	+		<b>10</b>	
<b>INTEGUMENTARY SYSTEM</b>													
Mammary Gland	+	+	+	+	+	+	+	+	+	+		<b>10</b>	
Skin	+	+	+	+	+	+	+	+	+	+		<b>10</b>	
<b>MUSCULOSKELETAL SYSTEM</b>													
Bone	+	+	+	+	+	+	+	+	+	+		<b>10</b>	
<b>NERVOUS SYSTEM</b>													
Brain	+	+	+	+	+	+	+	+	+	+		<b>10</b>	
<b>RESPIRATORY SYSTEM</b>													
Lung	+	+	+	+	+	+	+	+	+	+		<b>10</b>	
Nose	+	+	+	+	+	+	+	+	+	+		<b>10</b>	

\* .. Total animals with tissue examined microscopically; Total animals with tumor  
 + .. Tissue examined microscopically  
 X .. Lesion present  
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TDMS No. 20301 - 03

Test Type: 90-DAY

Route: DOSED FEED

Species/Strain: RATS/F344/N Tac

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

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

FISCHER 344-TACONIC RATS FEMALE 0 PPM	DAY ON TEST	0	0	0	0	0	0	0	0	0	
	ANIMAL ID	0	0	0	0	0	0	0	0	0	
		9	9	9	9	9	9	9	9	9	
		2	2	2	2	2	2	2	2	2	
		0	0	0	0	0	0	0	0	0	
		0	0	0	0	0	0	0	0	0	
		0	0	0	0	0	0	0	0	0	
		6	6	6	6	6	6	6	6	7	
		1	2	3	4	5	6	7	8	9	0
											<b>* TOTALS</b>
Trachea		+	+	+	+	+	+	+	+	+	<b>10</b>
<b>SPECIAL SENSES SYSTEM</b>											
Eye		+	+	+	+	+	+	+	+	+	<b>10</b>
Harderian Gland		+	+	+	+	+	+	+	+	+	<b>10</b>
<b>URINARY SYSTEM</b>											
Kidney		+	+	+	+	+	+	+	+	+	<b>10</b>
Urinary Bladder		+	+	+	+	+	+	+	+	+	<b>10</b>
<b>SYSTEMIC LESIONS</b>											
Multiple Organ		+	+	+	+	+	+	+	+	+	<b>10</b>

\* .. Total animals with tissue examined microscopically; Total animals with tumor  
+ .. Tissue examined microscopically  
X .. Lesion present  
I .. Insufficient tissue

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

P04: NEOPLASMS BY INDIVIDUAL ANIMAL  
 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

		0	0	0	0	0	0	0	0	0	0
DAY ON TEST		0	0	0	0	0	0	0	0	0	0
FISCHER 344-TACONIC RATS		9	9	9	9	9	9	9	9	9	9
FEMALE		2	2	2	2	2	2	2	2	2	2
10000 PPM											
ANIMAL ID		0	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	0	0
		1	1	1	1	1	1	1	1	1	1
		1	1	1	1	1	1	1	1	1	2
		1	2	3	4	5	6	7	8	9	0
<b>* TOTALS</b>											

**ALIMENTARY SYSTEM**

Esophagus	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Liver	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Pancreas	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Salivary Glands	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Tongue	+	+	+	+	+	+	+	+	+	+	<b>10</b>

**CARDIOVASCULAR SYSTEM**

\* .. Total animals with tissue examined microscopically; Total animals with tumor  
 + .. Tissue examined microscopically  
 X .. Lesion present  
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TDMS No. 20301 - 03  
 Test Type: 90-DAY  
 Route: DOSED FEED  
 Species/Strain: RATS/F344/N Tac

**P04: NEOPLASMS BY INDIVIDUAL ANIMAL**

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

FISCHER 344-TACONIC RATS FEMALE 10000 PPM	DAY ON TEST	0	0	0	0	0	0	0	0	0	
	ANIMAL ID	0	0	0	0	0	0	0	0	0	
		9	9	9	9	9	9	9	9	9	
		2	2	2	2	2	2	2	2	2	
		0	0	0	0	0	0	0	0	0	
		0	0	0	0	0	0	0	0	0	
		1	1	1	1	1	1	1	1	1	
		1	1	1	1	1	1	1	1	2	
		1	2	3	4	5	6	7	8	9	
											<b>* TOTALS</b>
Blood Vessel		+	+	+	+	+	+	+	+	+	<b>10</b>
Heart		+	+	+	+	+	+	+	+	+	<b>10</b>
<b>ENDOCRINE SYSTEM</b>											
Adrenal Cortex		+	+	+	+	+	+	+	+	+	<b>10</b>
Adrenal Medulla		+	+	+	+	+	+	+	+	+	<b>10</b>
Parathyroid Gland		+	+	+	+	+	M	+	+	+	<b>9</b>
Pituitary Gland		+	+	+	+	+	+	+	+	+	<b>10</b>
Thyroid Gland		+	+	+	+	+	+	+	+	+	<b>10</b>
<b>GENERAL BODY SYSTEM</b>											
NONE											
<b>GENITAL SYSTEM</b>											
Clitoral Gland		+	+	+	+	+	+	+	+	+	<b>10</b>
Ovary		+	+	+	+	+	+	+	+	+	<b>10</b>
Uterus		+	+	+	+	+	+	+	+	+	<b>10</b>
<b>HEMATOPOIETIC SYSTEM</b>											

\* .. Total animals with tissue examined microscopically; Total animals with tumor  
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 Time Report Requested: 12:43:46  
 First Dose M/F: 10/17/06 / 10/18/06  
 Lab: MBA

FISCHER 344-TACONIC RATS FEMALE 10000 PPM	DAY ON TEST	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	ANIMAL ID	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		1	1	1	1	1	1	1	1	1	1	1	1	1	1
		1	2	3	4	5	6	7	8	9	2	0			
<b>* TOTALS</b>															
Bone Marrow		+	+	+	+	+	+	+	+	+	+	+	+	+	10
Lymph Node, Mandibular		+	+	+	+	+	+	+	+	+	+	+	+	+	10
Lymph Node, Mesenteric		+	+	+	+	+	+	+	+	+	+	+	+	+	10
Spleen		+	+	+	+	+	+	+	+	+	+	+	+	+	10
Thymus		+	+	+	+	+	+	+	+	+	+	+	+	+	10
<b>INTEGUMENTARY SYSTEM</b>															
Mammary Gland		+	+	+	+	+	+	+	+	+	+	+	+	+	10
Skin		+	+	+	+	+	+	+	+	+	+	+	+	+	10
<b>MUSCULOSKELETAL SYSTEM</b>															
Bone		+	+	+	+	+	+	+	+	+	+	+	+	+	10
<b>NERVOUS SYSTEM</b>															
Brain		+	+	+	+	+	+	+	+	+	+	+	+	+	10
<b>RESPIRATORY SYSTEM</b>															
Lung		+	+	+	+	+	+	+	+	+	+	+	+	+	10
Nose		+	+	+	+	+	+	+	+	+	+	+	+	+	10

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 + .. Tissue examined microscopically  
 X .. Lesion present  
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M .. Missing tissue  
 A .. Autolysis precludes evaluation  
 BLANK .. Not examined microscopically



DAY ON TEST	0	0	0	0	0	0	0	0	0	0	
	9	9	9	9	9	9	9	9	9	9	
FISCHER 344-TACONIC RATS FEMALE	2	2	2	2	2	2	2	2	2	2	
10000 PPM											* TOTALS
ANIMAL ID	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	1	1	1	1	1	1	1	1	1	1	
	1	1	1	1	1	1	1	1	1	2	
	1	2	3	4	5	6	7	8	9	0	
Trachea	+	+	+	+	+	+	+	+	+	+	10
<b>SPECIAL SENSES SYSTEM</b>											
Eye	+	+	+	+	+	+	+	+	+	+	10
Harderian Gland	+	+	+	+	+	+	+	+	+	+	10
<b>URINARY SYSTEM</b>											
Kidney	+	+	+	+	+	+	+	+	+	+	10
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	10
<b>SYSTEMIC LESIONS</b>											
Multiple Organ	+	+	+	+	+	+	+	+	+	+	10

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

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X .. Lesion present  
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