

**TDMS No.** 20214 - 01  
**Test Type:** 90-DAY  
**Route:** SKIN APPLICATION  
**Species/Strain:** RATS/F344/N Tac

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

5-Amino-o-cresol  
**CAS Number:** 2835-95-2

**Date Report Requested:** 04/02/2008  
**Time Report Requested:** 09:24:09  
**First Dose M/F:** 05/08/06 / 05/09/06  
**Lab:** BAT

F1\_RD

**C Number:** C20214  
**Lock Date:** 12/04/2006  
**Cage Range:** ALL  
**Date Range:** ALL  
**Reasons For Removal:** ALL  
**Removal Date Range:** ALL  
**Treatment Groups:** Include ALL  
**TDMSE Version:** 1.9.1

Fischer 344-Taconic RATS MALE	0 mg/kg	2 mg/kg	4 mg/kg	8 mg/kg	16 mg/kg	32 mg/kg
<b>Disposition Summary</b>						
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	10	10	10	10
<b>ALIMENTARY SYSTEM</b>						
Intestine Large, Rectum	(10)	(0)	(0)	(0)	(0)	(10)
Parasite Metazoan						2 (20%)
Liver	(10)	(10)	(10)	(10)	(10)	(10)
Hepatodiaphragmatic Nodule				1 (10%)		
Inflammation, Chronic Active	9 (90%)			1 (10%)		9 (90%)
Pancreas	(10)	(0)	(0)	(0)	(0)	(10)
Inflammation, Chronic Active	1 (10%)					
Acinus, Atrophy						2 (20%)
<b>CARDIOVASCULAR SYSTEM</b>						
Heart	(10)	(0)	(0)	(0)	(0)	(10)
Cardiomyopathy	10 (100%)					10 (100%)
<b>ENDOCRINE SYSTEM</b>						
Adrenal Medulla	(10)	(0)	(0)	(0)	(0)	(10)
Infiltration Cellular, Mononuclear Cell	1 (10%)					2 (20%)
Pituitary Gland	(10)	(0)	(0)	(0)	(0)	(10)
Cyst	1 (10%)					
Thyroid Gland	(10)	(10)	(10)	(10)	(10)	(10)
Infiltration Cellular, Mononuclear Cell						1 (10%)
<b>GENERAL BODY SYSTEM</b>						
None						
<b>GENITAL SYSTEM</b>						

Fischer 344-Taconic RATS MALE	0 mg/kg	2 mg/kg	4 mg/kg	8 mg/kg	16 mg/kg	32 mg/kg
Epididymis Infiltration Cellular, Mononuclear Cell Inflammation, Chronic Active	(10) 1 (10%)	(0)	(0)	(0)	(0)	(10) 2 (20%)
<b>HEMATOPOIETIC SYSTEM</b>						
Lymph Node, Mesenteric Inflammation, Histiocytic	(10)	(0)	(0)	(0)	(0)	(10) 1 (10%)
<b>INTEGUMENTARY SYSTEM</b>						
None						
<b>MUSCULOSKELETAL SYSTEM</b>						
None						
<b>NERVOUS SYSTEM</b>						
None						
<b>RESPIRATORY SYSTEM</b>						
Lung Infiltration Cellular, Histiocyte Inflammation, Chronic Active Metaplasia, Osseous Interstitial, Inflammation, Chronic Active	(10) 2 (20%) 3 (30%) 2 (20%)	(10)	(10)	(10)	(10)	(10) 4 (40%) 5 (50%) 1 (10%)
Trachea Infiltration Cellular, Mononuclear Cell	(10) 5 (50%)	(0)	7 (70%) (0)	8 (80%) (0)	6 (60%) (0)	(10) 3 (30%)
<b>SPECIAL SENSES SYSTEM</b>						
Harderian Gland Infiltration Cellular, Mononuclear Cell Inflammation, Chronic Active	(10) 1 (10%)	(0)	(0)	(0)	(0)	(10) 1 (10%) 1 (10%)
<b>URINARY SYSTEM</b>						

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Fischer 344-Taconic RATS MALE	0 mg/kg	2 mg/kg	4 mg/kg	8 mg/kg	16 mg/kg	32 mg/kg
Kidney	(10)	(0)	(0)	(0)	(0)	(10)
Infiltration Cellular, Mononuclear Cell	1 (10%)					1 (10%)
Mineralization	6 (60%)					6 (60%)
Nephropathy	10 (100%)					10 (100%)

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

Fischer 344-Taconic RATS FEMALE	0 mg/kg	2 mg/kg	4 mg/kg	8 mg/kg	16 mg/kg	32 mg/kg
<b>Disposition Summary</b>						
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	10	10	10	10
<b>ALIMENTARY SYSTEM</b>						
Intestine Large, Rectum	(10)	(0)	(0)	(0)	(0)	(10)
Parasite Metazoan	1 (10%)					
Liver	(10)	(10)	(10)	(10)	(10)	(10)
Hematopoietic Cell Proliferation				1 (10%)		
Hepatodiaphragmatic Nodule	2 (20%)	3 (30%)	2 (20%)	3 (30%)	2 (20%)	1 (10%)
Inflammation, Chronic Active	10 (100%)	1 (10%)	2 (20%)	2 (20%)	2 (20%)	10 (100%)
Pancreas	(10)	(0)	(0)	(0)	(0)	(10)
Acinus, Atrophy	2 (20%)					1 (10%)
Salivary Glands	(10)	(0)	(0)	(0)	(0)	(10)
Infiltration Cellular, Mononuclear Cell						1 (10%)
<b>CARDIOVASCULAR SYSTEM</b>						
Heart	(10)	(0)	(0)	(0)	(0)	(10)
Cardiomyopathy	10 (100%)					9 (90%)
<b>ENDOCRINE SYSTEM</b>						
Thyroid Gland	(10)	(10)	(10)	(10)	(10)	(10)
Infiltration Cellular, Mononuclear Cell						1 (10%)
<b>GENERAL BODY SYSTEM</b>						
None						
<b>GENITAL SYSTEM</b>						
Ovary	(10)	(0)	(0)	(1)	(0)	(10)
Left, Cyst				1 (100%)		

Fischer 344-Taconic RATS FEMALE	0 mg/kg	2 mg/kg	4 mg/kg	8 mg/kg	16 mg/kg	32 mg/kg
Left, Inflammation				1 (100%)		
<b>HEMATOPOIETIC SYSTEM</b>						
Bone Marrow	(10)	(0)	(0)	(0)	(0)	(10)
Infiltration Cellular, Histiocyte						1 (10%)
Lymph Node, Mesenteric	(10)	(0)	(0)	(0)	(0)	(10)
Inflammation, Histiocytic						5 (50%)
<b>INTEGUMENTARY SYSTEM</b>						
None						
<b>MUSCULOSKELETAL SYSTEM</b>						
None						
<b>NERVOUS SYSTEM</b>						
None						
<b>RESPIRATORY SYSTEM</b>						
Lung	(10)	(10)	(10)	(10)	(10)	(10)
Infiltration Cellular, Histiocyte						1 (10%)
Inflammation, Chronic Active	2 (20%)					6 (60%)
Interstitialium, Inflammation, Chronic Active		2 (20%)	6 (60%)	3 (30%)	5 (50%)	
Nose	(10)	(0)	(0)	(0)	(0)	(10)
Inflammation, Chronic Active						2 (20%)
Trachea	(10)	(0)	(0)	(0)	(0)	(10)
Infiltration Cellular, Mononuclear Cell	3 (30%)					1 (10%)
<b>SPECIAL SENSES SYSTEM</b>						
Harderian Gland	(10)	(0)	(0)	(0)	(0)	(10)
Infiltration Cellular, Mononuclear Cell						2 (20%)
Inflammation, Chronic Active	1 (10%)					3 (30%)
<b>URINARY SYSTEM</b>						

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Fischer 344-Taconic RATS FEMALE	0 mg/kg	2 mg/kg	4 mg/kg	8 mg/kg	16 mg/kg	32 mg/kg
Kidney	(10)	(0)	(0)	(0)	(0)	(10)
Infiltration Cellular, Lipocyte	1 (10%)					
Infiltration Cellular, Mononuclear Cell	1 (10%)					
Mineralization	7 (70%)					7 (70%)
Nephropathy	3 (30%)					
Urinary Bladder	(10)	(0)	(0)	(0)	(0)	(10)
Infiltration Cellular, Mononuclear Cell	1 (10%)					1 (10%)

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