

**TDMs No.** 99002 - 03

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

**Date Report Requested:** 01/15/2009

**Test Type:** 90-DAY

o-Chloropyridine

**Time Report Requested:** 08:39:57

**Route:** DOSED WATER

**CAS Number:** 109-09-1

**First Dose M/F:** 07/28/03 / 07/29/03

**Species/Strain:** RATS/F 344/N

**Lab:** MBA

F2\_R2

**C Number:** C99002B  
**Lock Date:** 12/16/2004  
**Cage Range:** ALL  
**Date Range:** ALL  
**Reasons For Removal:** ALL  
**Removal Date Range:** ALL  
**Treatment Groups:** Include ALL  
**Study Gender:** Both  
**TDMSE Version:** 2.1.0

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Species/Strain: RATS/F 344/N

Lab: MBA

FISCHER 344 RATS MALE	VEHICLE CONTROL	10 PPM	30 PPM	100 PPM	300 PPM	1000 PPM
<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>						
Liver	(10)	(10)	(10)	(10)	(10)	(10)
Basophilic Focus						2
Clear Cell Focus						6
Eosinophilic Focus						1
Hepatodiaphragmatic Nodule					1	
Bile Duct, Hyperplasia	1 [1.0]					
Hepatocyte, Vacuolization Cytoplasmic					6 [1.0]	9 [1.8]
Salivary Glands	(9)	(0)	(0)	(0)	(0)	(10)
Parotid Gland, Basophilic Focus	2					5
<b>CARDIOVASCULAR SYSTEM</b>						
Heart	(10)	(0)	(0)	(0)	(0)	(10)
Cardiomyopathy	4 [1.3]					2 [1.0]
Inflammation, Chronic	1 [2.0]					
<b>ENDOCRINE SYSTEM</b>						
Adrenal Cortex	(10)	(0)	(0)	(0)	(0)	(10)
Zona Fasciculata, Vacuolization	9 [1.0]					5 [1.0]
Cytoplasmic						
Zona Reticularis, Vacuolization						2 [1.0]
Cytoplasmic						
Thyroid Gland	(10)	(0)	(0)	(0)	(0)	(10)
Cyst	1					
Ectopic Thymus	1					1

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)

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FISCHER 344 RATS MALE	VEHICLE CONTROL	10 PPM	30 PPM	100 PPM	300 PPM	1000 PPM
<b>GENERAL BODY SYSTEM</b>						
None						
<b>GENITAL SYSTEM</b>						
None						
<b>HEMATOPOIETIC SYSTEM</b>						
Bone Marrow	(10)	(10)	(10)	(10)	(10)	(10)
Hyperplasia	1 [1.0]		2 [1.0]	1 [1.0]	9 [1.0]	10 [1.9]
Lymph Node, Mesenteric	(10)	(0)	(0)	(0)	(0)	(10)
Sinus, Histiocytosis						2 [1.0]
Spleen	(10)	(10)	(10)	(10)	(10)	(10)
Congestion	4 [1.0]	1 [1.0]	2 [1.0]		7 [1.0]	10 [1.0]
Hematopoietic Cell Proliferation	4 [1.8]	8 [2.0]	6 [1.8]	6 [1.7]	10 [2.0]	10 [2.0]
Pigmentation	10 [1.0]	10 [1.0]	10 [1.3]	10 [1.0]	10 [2.0]	10 [2.0]
<b>INTEGUMENTARY SYSTEM</b>						
None						
<b>MUSCULOSKELETAL SYSTEM</b>						
None						
<b>NERVOUS SYSTEM</b>						
None						
<b>RESPIRATORY SYSTEM</b>						
Lung	(10)	(0)	(0)	(0)	(0)	(10)
Infiltration Cellular, Mononuclear Cell,	1 [1.0]					

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FISCHER 344 RATS MALE	VEHICLE CONTROL	10 PPM	30 PPM	100 PPM	300 PPM	1000 PPM
Focal Metaplasia, Osseous Alveolus, Hemorrhage, Focal	2 [1.0] 1 [1.0]					1 [1.0]
<b>SPECIAL SENSES SYSTEM</b>						
Eye Posterior Chamber, Developmental Malformation	(10) 1	(0)	(0)	(0)	(0)	(10)
<b>URINARY SYSTEM</b>						
Kidney Mineralization Nephropathy Renal Tubule, Accumulation, Hyaline Droplet	(10) 3 [1.0] 10 [2.1]	(10) 1 [1.0] 2 [1.0] 10 [2.4]	(10) 5 [1.0] 10 [2.3]	(10) 6 [1.0] 9 [1.8]	(10) 3 [1.0] 5 [1.2]	(10) 4 [1.0]

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

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FISCHER 344 RATS FEMALE	VEHICLE CONTROL	10 PPM	30 PPM	100 PPM	300 PPM	1000 PPM
<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>						
Liver	(10)	(10)	(10)	(10)	(10)	(10)
Clear Cell Focus						2
Hepatocyte, Vacuolization Cytoplasmic						9 [1.3]
Pancreas	(10)	(0)	(0)	(0)	(0)	(10)
Duct, Hyperplasia	1 [1.0]					
Salivary Glands	(10)	(0)	(0)	(0)	(0)	(10)
Parotid Gland, Basophilic Focus	3					2
<b>CARDIOVASCULAR SYSTEM</b>						
Heart	(10)	(0)	(0)	(0)	(0)	(10)
Cardiomyopathy	1 [1.0]					
Epicardium, Inflammation						1 [1.0]
<b>ENDOCRINE SYSTEM</b>						
Adrenal Cortex	(10)	(0)	(0)	(0)	(0)	(10)
Infiltration Cellular, Mononuclear Cell, Focal						1 [1.0]
Pituitary Gland	(9)	(0)	(0)	(0)	(0)	(10)
Pars Distalis, Cyst	1					
Thyroid Gland	(10)	(0)	(0)	(0)	(0)	(10)
Cyst	2					1
Ectopic Thymus	1 [1.0]					
<b>GENERAL BODY SYSTEM</b>						

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

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FISCHER 344 RATS FEMALE	VEHICLE CONTROL	10 PPM	30 PPM	100 PPM	300 PPM	1000 PPM
None						
<b>GENITAL SYSTEM</b>						
Uterus	(10)	(0)	(0)	(0)	(0)	(10)
Dilatation	1 [2.0]					3 [2.3]
Hydrometra	1 [2.0]					2 [1.5]
<b>HEMATOPOIETIC SYSTEM</b>						
Bone Marrow	(10)	(10)	(10)	(10)	(10)	(10)
Hyperplasia					3 [1.0]	9 [1.1]
Lymph Node, Mesenteric	(10)	(0)	(0)	(0)	(0)	(10)
Sinus, Histiocytosis	6 [1.0]					4 [1.0]
Spleen	(10)	(10)	(10)	(10)	(10)	(10)
Congestion	1 [2.0]	7 [1.3]	5 [1.6]	6 [1.3]	6 [1.0]	10 [1.8]
Hematopoietic Cell Proliferation	3 [2.0]	3 [1.3]	6 [1.5]	3 [1.7]	7 [1.7]	10 [1.9]
Pigmentation	10 [2.0]	10 [2.2]	10 [2.3]	10 [2.4]	10 [2.2]	10 [3.0]
Thymus	(10)	(0)	(0)	(0)	(0)	(10)
Thymocyte, Atrophy	1 [1.0]					
<b>INTEGUMENTARY SYSTEM</b>						
None						
<b>MUSCULOSKELETAL SYSTEM</b>						
None						
<b>NERVOUS SYSTEM</b>						
None						
<b>RESPIRATORY SYSTEM</b>						
Lung	(10)	(0)	(0)	(0)	(0)	(10)
Infiltration Cellular, Mononuclear Cell,	4 [1.0]					3 [1.0]

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

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FISCHER 344 RATS FEMALE	VEHICLE CONTROL	10 PPM	30 PPM	100 PPM	300 PPM	1000 PPM
Focal Alveolus, Hemorrhage, Focal	1 [1.0]					
<b>SPECIAL SENSES SYSTEM</b>						
Eye	(10)	(0)	(0)	(0)	(0)	(10)
Cornea, Inflammation						1 [1.0]
Sclera, Inflammation						2 [1.0]
Harderian Gland	(10)	(0)	(0)	(0)	(0)	(10)
Infiltration Cellular, Mononuclear Cell, Focal						1 [3.0]
<b>URINARY SYSTEM</b>						
Kidney	(10)	(10)	(10)	(10)	(10)	(10)
Mineralization			1 [1.0]			
Nephropathy	2 [1.0]		1 [1.0]	1 [1.0]	2 [1.0]	5 [1.0]

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