

**TDMS No.** 99002 - 03  
**Test Type:** 90-DAY  
**Route:** DOSED WATER  
**Species/Strain:** RATS/F 344/N

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

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

**Date Report Requested:** 01/15/2009  
**Time Report Requested:** 08:39:57  
**First Dose M/F:** 07/28/03 / 07/29/03  
**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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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 (20%)
Clear Cell Focus						6 (60%)
Eosinophilic Focus						1 (10%)
Hepatodiaphragmatic Nodule					1 (10%)	
Bile Duct, Hyperplasia	1 (10%)					
Hepatocyte, Vacuolization Cytoplasmic					6 (60%)	9 (90%)
Salivary Glands	(9)	(0)	(0)	(0)	(0)	(10)
Parotid Gland, Basophilic Focus	2 (22%)					5 (50%)
<b>CARDIOVASCULAR SYSTEM</b>						
Heart	(10)	(0)	(0)	(0)	(0)	(10)
Cardiomyopathy	4 (40%)					2 (20%)
Inflammation, Chronic	1 (10%)					
<b>ENDOCRINE SYSTEM</b>						
Adrenal Cortex	(10)	(0)	(0)	(0)	(0)	(10)
Zona Fasciculata, Vacuolization Cytoplasmic	9 (90%)					5 (50%)
Zona Reticularis, Vacuolization Cytoplasmic						2 (20%)
Thyroid Gland	(10)	(0)	(0)	(0)	(0)	(10)
Cyst	1 (10%)					
Ectopic Thymus	1 (10%)					1 (10%)
<b>GENERAL BODY SYSTEM</b>						
None						

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

FISCHER 344 RATS MALE	VEHICLE CONTROL	10 PPM	30 PPM	100 PPM	300 PPM	1000 PPM
<b>GENITAL SYSTEM</b>						
None						
<b>HEMATOPOIETIC SYSTEM</b>						
Bone Marrow	(10)	(10)	(10)	(10)	(10)	(10)
Hyperplasia	1 (10%)		2 (20%)	1 (10%)	9 (90%)	10 (100%)
Lymph Node, Mesenteric	(10)	(0)	(0)	(0)	(0)	(10)
Sinus, Histiocytosis						2 (20%)
Spleen	(10)	(10)	(10)	(10)	(10)	(10)
Congestion	4 (40%)	1 (10%)	2 (20%)		7 (70%)	10 (100%)
Hematopoietic Cell Proliferation	4 (40%)	8 (80%)	6 (60%)	6 (60%)	10 (100%)	10 (100%)
Pigmentation	10 (100%)	10 (100%)	10 (100%)	10 (100%)	10 (100%)	10 (100%)
<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, Focal	1 (10%)					
Metaplasia, Osseous	2 (20%)					
Alveolus, Hemorrhage, Focal	1 (10%)					1 (10%)
<b>SPECIAL SENSES SYSTEM</b>						
Eye	(10)	(0)	(0)	(0)	(0)	(10)
Posterior Chamber, Developmental Malformation	1 (10%)					

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FISCHER 344 RATS MALE	VEHICLE CONTROL	10 PPM	30 PPM	100 PPM	300 PPM	1000 PPM
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URINARY SYSTEM						
Kidney	(10)	(10)	(10)	(10)	(10)	(10)
Mineralization		1 (10%)				
Nephropathy	3 (30%)	2 (20%)	5 (50%)	6 (60%)	3 (30%)	4 (40%)
Renal Tubule, Accumulation, Hyaline Droplet	10 (100%)	10 (100%)	10 (100%)	9 (90%)	5 (50%)	

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\*\*\* 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 (20%)
Hepatocyte, Vacuolization Cytoplasmic						9 (90%)
Pancreas	(10)	(0)	(0)	(0)	(0)	(10)
Duct, Hyperplasia	1 (10%)					
Salivary Glands	(10)	(0)	(0)	(0)	(0)	(10)
Parotid Gland, Basophilic Focus	3 (30%)					2 (20%)
<b>CARDIOVASCULAR SYSTEM</b>						
Heart	(10)	(0)	(0)	(0)	(0)	(10)
Cardiomyopathy	1 (10%)					
Epicardium, Inflammation						1 (10%)
<b>ENDOCRINE SYSTEM</b>						
Adrenal Cortex	(10)	(0)	(0)	(0)	(0)	(10)
Infiltration Cellular, Mononuclear Cell, Focal						1 (10%)
Pituitary Gland	(9)	(0)	(0)	(0)	(0)	(10)
Pars Distalis, Cyst	1 (11%)					
Thyroid Gland	(10)	(0)	(0)	(0)	(0)	(10)
Cyst	2 (20%)					1 (10%)
Ectopic Thymus	1 (10%)					
<b>GENERAL BODY SYSTEM</b>						
None						
<b>GENITAL SYSTEM</b>						

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

FISCHER 344 RATS FEMALE	VEHICLE CONTROL	10 PPM	30 PPM	100 PPM	300 PPM	1000 PPM
Uterus	(10)	(0)	(0)	(0)	(0)	(10)
Dilatation	1 (10%)					3 (30%)
Hydrometra	1 (10%)					2 (20%)
<b>HEMATOPOIETIC SYSTEM</b>						
Bone Marrow	(10)	(10)	(10)	(10)	(10)	(10)
Hyperplasia					3 (30%)	9 (90%)
Lymph Node, Mesenteric	(10)	(0)	(0)	(0)	(0)	(10)
Sinus, Histiocytosis	6 (60%)					4 (40%)
Spleen	(10)	(10)	(10)	(10)	(10)	(10)
Congestion	1 (10%)	7 (70%)	5 (50%)	6 (60%)	6 (60%)	10 (100%)
Hematopoietic Cell Proliferation	3 (30%)	3 (30%)	6 (60%)	3 (30%)	7 (70%)	10 (100%)
Pigmentation	10 (100%)	10 (100%)	10 (100%)	10 (100%)	10 (100%)	10 (100%)
Thymus	(10)	(0)	(0)	(0)	(0)	(10)
Thymocyte, Atrophy	1 (10%)					
<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, Focal	4 (40%)					3 (30%)
Alveolus, Hemorrhage, Focal	1 (10%)					
<b>SPECIAL SENSES SYSTEM</b>						
Eye	(10)	(0)	(0)	(0)	(0)	(10)
Cornea, Inflammation						1 (10%)
Sclera, Inflammation						2 (20%)

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Harderian Gland Infiltration Cellular, Mononuclear Cell, Focal	(10)	(0)	(0)	(0)	(0)	(10) 1 (10%)
<hr/>						
URINARY SYSTEM						
Kidney Mineralization	(10)	(10)	(10) 1 (10%)	(10)	(10)	(10)
Nephropathy	2 (20%)		1 (10%)	1 (10%)	2 (20%)	5 (50%)

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