

**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 \*\*\*

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>						

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 \*\*\*