Route: DOSED WATER

Species/Strain: RATS/F 344/N

Test Type: 90-DAY

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

o-Chloropyridine

CAS Number: 109-09-1

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

Date Report Requested: 01/15/2009

Time Report Requested: 08:39:57 First Dose M/F: 07/28/03 / 07/29/03

Route: DOSED WATER

Species/Strain: RATS/F 344/N

Test Type: 90-DAY

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

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

FISCHER 344 RATS MALE	VEHICLE CONTROL	10 PPM	30 PPM	100 PPM	300 PPM	1000 PPM
Disposition Summary						
Animals Initially in Study Early Deaths Survivors	10	10	10	10	10	10
Terminal Sacrifice Animals Examined Microscopically	10 10	10 10	10 10	10 10	10 10	10 10
ALIMENTARY SYSTEM						
Liver Basophilic Focus Clear Cell Focus Eosinophilic Focus	(10)	(10)	(10)	(10)	(10)	(10) 2 6 1
Hepatodiaphragmatic Nodule					1	'
Bile Duct, Hyperplasia Hepatocyte, Vacuolization Cytoplasmic	1 [1.0]				6 [1.0]	9 [1.8]
Salivary Glands Parotid Gland, Basophilic Focus	(9) 2	(0)	(0)	(0)	(0)	(10) 5
CARDIOVASCULAR SYSTEM						
Heart Cardiomyopathy Inflammation, Chronic	(10) 4 [1.3] 1 [2.0]	(0)	(0)	(0)	(0)	(10) 2 [1.0]
ENDOCRINE SYSTEM						
Adrenal Cortex Zona Fasciculata, Vacuolization Cytoplasmic	(10) 9 [1.0]	(0)	(0)	(0)	(0)	(10) 5 [1.0]
Zona Reticularis, Vacuolization						2 [1.0]
Cytoplasmic Thyroid Gland Cyst	(10) 1	(0)	(0)	(0)	(0)	(10)
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)

Route: DOSED WATER

Species/Strain: RATS/F 344/N

Test Type: 90-DAY

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

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

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

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)

Route: DOSED WATER

Species/Strain: RATS/F 344/N

Test Type: 90-DAY

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

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

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]
SPECIAL SENSES SYSTEM						
Eye Posterior Chamber, Developmental Malformation	(10) 1	(0)	(0)	(0)	(0)	(10)
URINARY SYSTEM						
Kidney Mineralization Nephropathy Renal Tubule, Accumulation, Hyaline	(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]
Droplet	10 [2.1]	10 [2.4]	10 [2.5]	ə [1.0]	J [1.2]	

<sup>\*\*\*</sup> END OF MALE \*\*\*

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)

Route: DOSED WATER

Test Type: 90-DAY

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

o-Chloropyridine

CAS Number: 109-09-1

Time Report Requested: 08:39:57 First Dose M/F: 07/28/03 / 07/29/03

Date Report Requested: 01/15/2009

Lab: MBA

Species/Strain: RATS/F 344/N

FISCHER 344 RATS FEMALE	VEHICLE CONTROL	10 PPM	30 PPM	100 PPM	300 PPM	1000 PPM
Disposition Summary						
Animals Initially in Study Early Deaths Survivors	10	10	10	10	10	10
Terminal Sacrifice Animals Examined Microscopically	10 10	10 10	10 10	10 10	10 10	10 10
ALIMENTARY SYSTEM						
Liver Clear Cell Focus Hepatocyte, Vacuolization Cytoplasmic	(10)	(10)	(10)	(10)	(10)	(10) 2 9 [1.3]
Pancreas	(10)	(0)	(0)	(0)	(0)	(10)
Duct, Hyperplasia Salivary Glands Parotid Gland, Basophilic Focus	1 [1.0] (10) 3	(0)	(0)	(0)	(0)	(10) 2
CARDIOVASCULAR SYSTEM						
Heart	(10)	(0)	(0)	(0)	(0)	(10)
Cardiomyopathy Epicardium, Inflammation	1 [1.0]					1 [1.0]
ENDOCRINE SYSTEM						
Adrenal Cortex Infiltration Cellular, Mononuclear Cell, Focal	(10)	(0)	(0)	(0)	(0)	(10) 1 [1.0]
Pituitary Gland	(9)	(0)	(0)	(0)	(0)	(10)
Pars Distalis, Cyst Thyroid Gland Cyst Ectopic Thymus	1 (10) 2 1 [1.0]	(0)	(0)	(0)	(0)	(10) 1

#### **GENERAL BODY SYSTEM**

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)

Route: DOSED WATER

Test Type: 90-DAY

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

o-Chloropyridine

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

Time Report Requested: 08:39:57

Date Report Requested: 01/15/2009

First Dose M/F: 07/28/03 / 07/29/03 Lab: MBA

Species/Strain: RATS/F 344/N

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

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)

Route: DOSED WATER

Species/Strain: RATS/F 344/N

Test Type: 90-DAY

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**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

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

<sup>\*\*\*</sup> END OF REPORT \*\*\*

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)