

Experiment Number: 20321 - 01

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

Date Report Requested: 10/15/2014

Test Type: 90-DAY

Tetrabromobisphenol A-bis(2,3-dibromopropyl ether)

Time Report Requested: 11:06:13

Route: GAVAGE

CAS Number: 21850-44-2

First Dose M/F: 01/09/06 / 01/10/06

Species/Strain: RATS/F344/N Tac

Lab: BAT

F1_Rev.1_R2

NTP Study Number: C20321
Lock Date: 01/05/2007
Cage Range: ALL
Date Range: ALL
Reasons For Removal: ALL
Removal Date Range: ALL
Treatment Groups: Include ALL
Study Gender: Both
TDMSE Version: 3.0.2.2_002
PWG Approval Date: NONE

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Fischer 344-Taconic RATS MALE	0 mg/kg	62.5 mg/kg	125 mg/kg	250 mg/kg	500 mg/kg	1000 mg/kg
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Disposition Summary

Animals Initially In Study	10	10	10	10	10	10
Early Deaths						
Dosing Accident		1				
Natural Death		1				
Survivors						
Terminal Sacrifice	10	8	10	10	10	10
Animals Examined Microscopically	10	10	10	10	10	10

ALIMENTARY SYSTEM

Esophagus	(10)	(2)	(0)	(0)	(0)	(10)
Intestine Large, Cecum	(10)	(1)	(0)	(0)	(0)	(10)
Intestine Large, Colon	(10)	(2)	(0)	(0)	(0)	(10)
Serosa, Parasite Metazoan						1
Intestine Large, Rectum	(10)	(2)	(0)	(0)	(0)	(10)
Parasite Metazoan						2
Intestine Small, Duodenum	(10)	(1)	(0)	(0)	(0)	(10)
Intestine Small, Ileum	(10)	(1)	(0)	(0)	(0)	(10)
Intestine Small, Jejunum	(10)	(1)	(0)	(0)	(0)	(10)
Liver	(10)	(10)	(10)	(10)	(10)	(10)
Inflammation, Chronic	10 [1.0]	10 [1.0]	10 [1.0]	10 [1.0]	10 [1.0]	10 [1.0]
Vacuolization Cytoplasmic	10 [1.1]	10 [1.0]	10 [1.0]	10 [1.0]	10 [1.0]	10 [1.0]
Mesentery	(0)	(0)	(0)	(0)	(0)	(1)
Fat, Necrosis						1 [3.0]
Oral Mucosa	(0)	(0)	(0)	(0)	(1)	(0)
Cyst, Focal					1	
Pancreas	(10)	(2)	(0)	(0)	(0)	(10)
Infiltration Cellular, Mononuclear Cell	1 [1.0]					
Acinus, Atrophy	2 [1.0]					1 [1.0]
Arteriole, Inflammation	1 [1.0]					
Salivary Glands	(10)	(2)	(0)	(0)	(0)	(10)
Stomach, Forestomach	(10)	(2)	(0)	(0)	(0)	(10)
Stomach, Glandular	(10)	(2)	(0)	(0)	(0)	(10)
Muscularis, Mineralization						1 [2.0]

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)

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Lab: BAT

Fischer 344-Taconic RATS MALE	0 mg/kg	62.5 mg/kg	125 mg/kg	250 mg/kg	500 mg/kg	1000 mg/kg
CARDIOVASCULAR SYSTEM						
Blood Vessel	(10)	(2)	(0)	(0)	(0)	(10)
Heart	(10)	(2)	(0)	(0)	(0)	(10)
Cardiomyopathy	10 [1.2]	2 [1.0]				10 [1.1]
Infiltration Cellular, Mixed Cell	1 [1.0]					
Pigmentation	1 [1.0]					
ENDOCRINE SYSTEM						
Adrenal Cortex	(10)	(2)	(0)	(0)	(0)	(10)
Adrenal Medulla	(10)	(2)	(0)	(0)	(0)	(10)
Islets, Pancreatic	(10)	(2)	(0)	(0)	(0)	(10)
Parathyroid Gland	(7)	(2)	(0)	(0)	(0)	(10)
Pituitary Gland	(10)	(2)	(0)	(0)	(0)	(10)
Thyroid Gland	(10)	(2)	(0)	(0)	(0)	(10)
GENERAL BODY SYSTEM						
None						
GENITAL SYSTEM						
Epididymis	(10)	(2)	(0)	(0)	(0)	(10)
Inflammation, Chronic Active	5 [1.0]					
Preputial Gland	(10)	(2)	(0)	(0)	(0)	(10)
Inflammation	3 [1.0]					3 [2.0]
Prostate	(10)	(2)	(0)	(0)	(0)	(10)
Inflammation, Chronic Active	1 [1.0]					
Seminal Vesicle	(10)	(2)	(0)	(0)	(0)	(10)
Testes	(10)	(2)	(0)	(0)	(0)	(10)

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Fischer 344-Taconic RATS MALE	0 mg/kg	62.5 mg/kg	125 mg/kg	250 mg/kg	500 mg/kg	1000 mg/kg
HEMATOPOIETIC SYSTEM						
Bone Marrow	(10)	(2)	(0)	(0)	(0)	(10)
Lymph Node, Mandibular	(10)	(2)	(0)	(0)	(0)	(10)
Lymph Node, Mesenteric	(10)	(9)	(10)	(10)	(10)	(10)
Infiltration Cellular, Histiocyte	10 [2.9]	9 [3.0]	10 [2.9]	10 [3.0]	10 [3.0]	10 [3.0]
Spleen	(10)	(2)	(0)	(0)	(0)	(10)
Thymus	(10)	(2)	(0)	(0)	(0)	(10)
INTEGUMENTARY SYSTEM						
Mammary Gland	(10)	(2)	(0)	(0)	(0)	(10)
Skin	(10)	(2)	(0)	(0)	(0)	(10)
MUSCULOSKELETAL SYSTEM						
Bone	(10)	(2)	(0)	(0)	(0)	(10)
NERVOUS SYSTEM						
Brain	(10)	(2)	(0)	(0)	(0)	(10)
RESPIRATORY SYSTEM						
Lung	(10)	(10)	(10)	(10)	(10)	(10)
Infiltration Cellular, Histiocyte	1 [1.0]	1 [1.0]			1 [1.0]	1 [1.0]
Inflammation, Granulomatous		4 [1.5]	8 [1.6]	8 [1.4]	6 [1.0]	2 [1.5]
Inflammation, Acute		2 [1.5]				
Inflammation, Chronic Active	7 [1.1]	1 [1.0]	9 [2.3]	6 [1.0]	8 [1.1]	7 [1.1]
Metaplasia, Osseous	1 [1.0]	2 [1.0]				
Nose	(10)	(2)	(0)	(0)	(0)	(10)
Inflammation, Chronic Active						1 [2.0]
Trachea	(10)	(2)	(0)	(0)	(0)	(10)

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Fischer 344-Taconic RATS MALE	0 mg/kg	62.5 mg/kg	125 mg/kg	250 mg/kg	500 mg/kg	1000 mg/kg
Infiltration Cellular, Mononuclear Cell	1 [1.0]					2 [1.0]
SPECIAL SENSES SYSTEM						
Eye	(10)	(3)	(0)	(0)	(0)	(10)
Harderian Gland	(10)	(2)	(0)	(0)	(0)	(10)
Infiltration Cellular, Mononuclear Cell	2 [1.0]					
Inflammation, Chronic Active						1 [2.0]
Bilateral, Inflammation, Chronic Active						1 [3.0]
URINARY SYSTEM						
Kidney	(10)	(2)	(0)	(0)	(0)	(10)
Infiltration Cellular, Mononuclear Cell	1 [1.0]					2 [1.0]
Mineralization	8 [1.0]	1 [1.0]				6 [1.0]
Nephropathy	10 [1.0]	1 [1.0]				10 [1.1]
Urinary Bladder	(10)	(2)	(0)	(0)	(0)	(10)
Inflammation, Chronic						1 [1.0]
Muscularis, Mineralization						1 [1.0]

*** END OF MALE ***

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Fischer 344-Taconic RATS FEMALE	0 mg/kg	62.5 mg/kg	125 mg/kg	250mg/kg	500 mg/kg	1000 mg/kg
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Disposition Summary

Animals Initially In Study	10	10	10	10	10	10
Early Deaths						
Natural Death	1					
Survivors						
Terminal Sacrifice	9	10	10	10	10	10
Animals Examined Microscopically	10	10	10	10	10	10

ALIMENTARY SYSTEM

Esophagus	(10)	(0)	(0)	(0)	(0)	(10)
Intestine Large, Cecum	(10)	(0)	(0)	(0)	(0)	(10)
Intestine Large, Colon	(10)	(0)	(0)	(0)	(0)	(10)
Intestine Large, Rectum	(10)	(0)	(0)	(0)	(0)	(10)
Parasite Metazoan						1
Intestine Small, Duodenum	(10)	(0)	(0)	(0)	(0)	(10)
Intestine Small, Ileum	(10)	(0)	(0)	(0)	(0)	(10)
Intestine Small, Jejunum	(10)	(0)	(0)	(0)	(0)	(10)
Liver	(10)	(8)	(8)	(9)	(10)	(10)
Inflammation, Chronic	8 [1.3]	8 [1.4]	8 [1.8]	9 [1.7]	10 [1.4]	10 [1.9]
Pancreas	(10)	(0)	(0)	(0)	(0)	(10)
Salivary Glands	(10)	(0)	(0)	(0)	(0)	(10)
Stomach, Forestomach	(10)	(0)	(0)	(0)	(0)	(10)
Stomach, Glandular	(10)	(0)	(0)	(0)	(0)	(10)

CARDIOVASCULAR SYSTEM

Blood Vessel	(10)	(0)	(0)	(0)	(0)	(10)
Heart	(10)	(0)	(0)	(0)	(0)	(10)
Cardiomyopathy	9 [1.0]					9 [1.0]
Inflammation, Chronic Active	1 [1.0]					

ENDOCRINE SYSTEM

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Adrenal Cortex	(10)	(0)	(0)	(0)	(0)	(10)
Adrenal Medulla	(10)	(0)	(0)	(0)	(0)	(10)
Islets, Pancreatic	(10)	(0)	(0)	(0)	(0)	(10)
Parathyroid Gland	(10)	(0)	(0)	(0)	(0)	(10)
Pituitary Gland	(10)	(0)	(0)	(0)	(0)	(10)
Cyst						1
Thyroid Gland	(10)	(0)	(0)	(0)	(0)	(10)
GENERAL BODY SYSTEM						
None						
GENITAL SYSTEM						
Clitoral Gland	(10)	(0)	(0)	(0)	(0)	(10)
Inflammation, Chronic Active	3 [1.3]					
Ovary	(10)	(0)	(1)	(0)	(0)	(10)
Left, Cyst			1			
Uterus	(10)	(0)	(0)	(0)	(0)	(10)
HEMATOPOIETIC SYSTEM						
Bone Marrow	(10)	(0)	(0)	(0)	(0)	(10)
Lymph Node, Mandibular	(10)	(0)	(0)	(0)	(0)	(10)
Lymph Node, Mesenteric	(10)	(10)	(10)	(10)	(10)	(10)
Infiltration Cellular, Histiocyte	10 [2.8]	10 [3.0]	10 [2.9]	10 [3.0]	10 [3.0]	10 [3.0]
Spleen	(10)	(0)	(0)	(0)	(0)	(10)
Lymphoid Follicle, Depletion Cellular	1 [2.0]					
Thymus	(10)	(0)	(0)	(0)	(0)	(10)
INTEGUMENTARY SYSTEM						
Mammary Gland	(10)	(0)	(0)	(0)	(0)	(10)

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Fischer 344-Taconic RATS FEMALE	0 mg/kg	62.5 mg/kg	125 mg/kg	250mg/kg	500 mg/kg	1000 mg/kg
Skin	(10)	(0)	(0)	(0)	(0)	(10)
MUSCULOSKELETAL SYSTEM						
Bone	(10)	(0)	(0)	(0)	(0)	(10)
NERVOUS SYSTEM						
Brain	(10)	(0)	(0)	(0)	(0)	(10)
RESPIRATORY SYSTEM						
Lung	(10)	(10)	(10)	(10)	(10)	(10)
Infiltration Cellular, Histiocyte	2 [1.0]	1 [1.0]	2 [1.0]	2 [1.0]		
Inflammation, Granulomatous		3 [1.3]	6 [1.5]	6 [1.5]	6 [1.0]	5 [1.4]
Inflammation, Acute	1 [2.0]					
Inflammation, Chronic Active	1 [1.0]	4 [1.0]	3 [1.7]	6 [1.2]	6 [1.2]	8 [1.4]
Metaplasia, Osseous				1 [1.0]		
Bronchiole, Metaplasia, Squamous						1 [1.0]
Nose	(10)	(0)	(0)	(0)	(0)	(10)
Squamous Epithelium, Hyperplasia						1 [1.0]
Trachea	(10)	(0)	(0)	(0)	(0)	(10)
Infiltration Cellular, Mononuclear Cell	5 [1.0]					4 [1.0]
SPECIAL SENSES SYSTEM						
Eye	(10)	(0)	(0)	(0)	(0)	(10)
Harderian Gland	(10)	(0)	(0)	(0)	(0)	(10)
Infiltration Cellular, Mononuclear Cell	1 [1.0]					
Inflammation, Chronic Active	2 [1.0]					3 [1.0]
Bilateral, Infiltration Cellular, Mononuclear Cell						1 [1.0]
Bilateral, Inflammation, Chronic Active	1 [2.0]					

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Fischer 344-Taconic RATS FEMALE	0 mg/kg	62.5 mg/kg	125 mg/kg	250mg/kg	500 mg/kg	1000 mg/kg
URINARY SYSTEM						
Kidney	(10)	(0)	(0)	(0)	(0)	(10)
Infiltration Cellular, Mononuclear Cell						1 [1.0]
Mineralization	7 [1.0]					5 [1.0]
Nephropathy	2 [1.0]					1 [1.0]
Urinary Bladder	(10)	(0)	(0)	(0)	(0)	(10)

*** END OF REPORT ***

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