

**TDMs No.** 20209 - 02

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

**Date Report Requested:** 10/16/2007

**Test Type:** 90-DAY

Pentabromodiphenyl oxide (technical) (DE 71)

**Time Report Requested:** 14:58:05

**Route:** GAVAGE

**CAS Number:** 32534-81-9

**First Dose M/F:** 07/21/04 / 07/22/04

**Species/Strain:** MICE/B6C3F1

**Lab:** SRI

F1\_M3

**C Number:** C20209  
**Lock Date:** 12/07/2005  
**Cage Range:** ALL  
**Date Range:** ALL  
**Reasons For Removal:** ALL  
**Removal Date Range:** ALL  
**Treatment Groups:** Include ALL  
**TDMSE Version:** 1.8.0

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B6C3F1 MICE MALE	0 MG/KG	0.01 MG/KG	5 MG/KG	50 MG/KG	100 MG/KG	500 MG/KG
<b>Disposition Summary</b>						
Animals Initially in Study	10	10	10	10	10	10
Early Deaths						
Moribund Sacrifice						3
Natural Death						4
Survivors						
Terminal Sacrifice	10	10	10	10	10	3
Animals Examined Microscopically	10	10	10	10	10	10
<b>ALIMENTARY SYSTEM</b>						
Esophagus	(10)	(10)	(10)	(10)	(10)	(10)
Inflammation				5 [1.4]		2 [1.0]
Intestine Small, Ileum	(10)	(0)	(1)	(0)	(10)	(7)
Diverticulum			1			
Liver	(10)	(10)	(10)	(10)	(10)	(10)
Infarct					1	
Necrosis, Focal						2 [2.0]
Hepatocyte, Hypertrophy			1 [1.0]	10 [1.8]	10 [2.7]	10 [3.1]
Hepatocyte, Necrosis					1 [1.0]	10 [1.3]
Hepatocyte, Vacuolization Cytoplasmic						6 [1.2]
Stomach, Forestomach	(10)	(10)	(10)	(10)	(10)	(10)
Erosion						1 [4.0]
Inflammation, Chronic						1 [2.0]
Epithelium, Hyperplasia			1 [1.0]	1 [1.0]		1 [3.0]
Stomach, Glandular	(10)	(10)	(10)	(10)	(10)	(9)
Erosion						2 [2.5]
<b>CARDIOVASCULAR SYSTEM</b>						
None						
<b>ENDOCRINE SYSTEM</b>						
Adrenal Cortex	(10)	(10)	(9)	(10)	(10)	(10)
Degeneration, Fatty						4 [1.3]

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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B6C3F1 MICE MALE	0 MG/KG	0.01 MG/KG	5 MG/KG	50 MG/KG	100 MG/KG	500 MG/KG
Zona Fasciculata, Hypertrophy Parathyroid Gland Cyst	(10)	(0)	(0)	(0)	(9)	5 [1.0] (10) 1
<b>GENERAL BODY SYSTEM</b>						
None						
<b>GENITAL SYSTEM</b>						
Epididymis Lumen, Cellular Alteration	(10)	(0)	(0)	(0)	(10)	(10) 1 [2.0]
Testes Abnormal Residual Body	(10)	(10)	(10) 1 [2.0]	(10)	(10) 1 [2.0]	(10) 5 [2.0]
<b>HEMATOPOIETIC SYSTEM</b>						
Spleen Lymphoid Follicle, Atrophy	(10)	(10) 1 [2.0]	(10) 1 [2.0]	(10)	(10)	(10) 3 [2.0]
Thymus Atrophy Cyst	(10)	(10)	(9)	(10)	(10) 1	(9) 6 [2.5]
<b>INTEGUMENTARY SYSTEM</b>						
None						
<b>MUSCULOSKELETAL SYSTEM</b>						
None						
<b>NERVOUS SYSTEM</b>						
Brain Cyst Epithelial Inclusion	(10)	(0)	(0)	(0)	(10) 1	(10) 1

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B6C3F1 MICE MALE	0 MG/KG	0.01 MG/KG	5 MG/KG	50 MG/KG	100 MG/KG	500 MG/KG
<b>RESPIRATORY SYSTEM</b>						
Lung	(10)	(10)	(10)	(10)	(10)	(10)
Foreign Body						1
Inflammation		1 [1.0]	1 [1.0]			1 [1.0]
Alveolus, Infiltration Cellular, Mononuclear Cell		1 [1.0]				
<b>SPECIAL SENSES SYSTEM</b>						
None						
<b>URINARY SYSTEM</b>						
None						

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

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B6C3F1 MICE FEMALE	0 MG/KG	0.01 MG/KG	5 MG/KG	50 MG/KG	100 MG/KG	500 MG/KG
<b>Disposition Summary</b>						
Animals Initially in Study	10	10	10	10	10	10
Early Deaths						
Dosing Accident	1			1	1	3
Moribund Sacrifice						1
Natural Death						1
Survivors						
Terminal Sacrifice	9	10	10	9	9	5
Animals Examined Microscopically	10	10	10	10	10	10
<b>ALIMENTARY SYSTEM</b>						
Esophagus	(10)	(10)	(10)	(10)	(10)	(10)
Foreign Body				1		
Inflammation	3 [1.0]			7 [2.0]	1 [3.0]	3 [1.7]
Perforation						1
Liver	(10)	(10)	(10)	(10)	(10)	(10)
Hepatocyte, Hypertrophy					9 [1.2]	6 [2.5]
Hepatocyte, Necrosis						6 [1.2]
Salivary Glands	(10)	(0)	(0)	(1)	(10)	(10)
Hyperplasia, Lymphoid						1 [1.0]
Stomach, Forestomach	(10)	(10)	(10)	(10)	(10)	(10)
Ulcer						1 [2.0]
Epithelium, Hyperplasia						2 [2.5]
Stomach, Glandular	(10)	(10)	(10)	(10)	(10)	(10)
Erosion						1 [1.0]
<b>CARDIOVASCULAR SYSTEM</b>						
Heart	(10)	(10)	(10)	(10)	(10)	(10)
Mineralization						1 [1.0]
<b>ENDOCRINE SYSTEM</b>						
Adrenal Cortex	(10)	(10)	(10)	(10)	(10)	(10)
Degeneration, Fatty						2 [2.0]

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

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Thyroid Gland Follicle, Cyst	(10)	(0)	(0)	(0)	(9) 1	(10)
<b>GENERAL BODY SYSTEM</b>						
None						
<b>GENITAL SYSTEM</b>						
Ovary Cyst	(10)	(1) 1	(0)	(1)	(10)	(9)
Uterus Endometrial Glands, Hyperplasia	(10) 1 [1.0]	(0)	(0)	(2)	(10)	(9)
<b>HEMATOPOIETIC SYSTEM</b>						
Bone Marrow Hyperplasia	(10) 1 [2.0]	(0)	(0)	(1) 1 [2.0]	(10)	(10) 1 [2.0]
Lymph Node, Mandibular Hemorrhage	(10)	(0)	(0)	(1)	(10)	(10) 1 [1.0]
Lymph Node, Mesenteric Atrophy	(9) 1 [2.0]	(0)	(0)	(1)	(9) 1 [2.0]	(8) (8)
Spleen Lymphoid Follicle, Atrophy	(10) 1 [1.0]	(0)	(0)	(1)	(10) 1 [1.0]	(10) 2 [2.0]
Thymus Atrophy	(9)	(10)	(10)	(10) 1 [2.0]	(9)	(8) 3 [3.3]
<b>INTEGUMENTARY SYSTEM</b>						
Skin Subcutaneous Tissue, Proliferation Connective Tissue	(10)	(0)	(0)	(1)	(10) 1 [2.0]	(10)
<b>MUSCULOSKELETAL SYSTEM</b>						
None						

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<b>NERVOUS SYSTEM</b>						
None						
<b>RESPIRATORY SYSTEM</b>						
Lung	(10)	(10)	(10)	(10)	(10)	(10)
Foreign Body				1		
Inflammation			1 [1.0]	2 [2.5]		
Nose	(10)	(0)	(0)	(1)	(10)	(10)
Inflammation, Chronic						1 [1.0]
Pleura	(10)	(10)	(10)	(10)	(10)	(10)
Foreign Body	1		1			
Inflammation	1 [4.0]		1 [4.0]	2 [2.5]	1 [4.0]	3 [3.7]
<b>SPECIAL SENSES SYSTEM</b>						
None						
<b>URINARY SYSTEM</b>						
None						

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