

**Experiment Number:** 20209 - 04  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** MICE/B6C3F1

**P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL**  
Pentabromodiphenyl oxide (technical) (DE 71)  
**CAS Number:** 32534-81-9

**Date Report Requested:** 09/10/2014  
**Time Report Requested:** 08:48:43  
**First Dose M/F:** 02/25/08 / 02/25/08  
**Lab:** SRI

F1\_Rev.1\_M3

**NTP Study Number:** C20209  
**Lock Date:** 08/31/2011  
**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

Experiment Number: 20209 - 04

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First Dose M/F: 02/25/08 / 02/25/08

Lab: SRI

<b>B6C3F1 MICE MALE</b>	DAY ON TEST	0684	0729	0779	0771	0779	0779	0669	0228	0770	0559	0660	0552	0660	0774	0449	0559	0660	0773	0558	0662	0773	0770	0003	0770	0003	0771
	ANIMAL ID	0001	0002	0003	0004	0005	0006	0007	0008	0009	0010	0011	0012	0013	0014	0015	0016	0017	0018	0019	0020	0021	0022	0023	0024	0025	0026

males (cont...)

**ALIMENTARY SYSTEM**

Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Inflammation, Acute																											2
Mineralization																											
Necrosis																											2
Gallbladder	+	+	+	+	+	+	+	A	M	+	+	+	+	+	+	M	+	M	+	+	+	+	+	+	M	+	
Intestine Large, Cecum	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Lymphoid Tissue, Necrosis																											3
Intestine Large, Colon	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Large, Rectum	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Small, Duodenum	+	+	+	+	+	+	+	A	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Small, Ileum	+	+	+	+	+	+	+	A	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Small, Jejunum	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+
Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Basophilic Focus																											X
Clear Cell Focus									X							X		X								X	
Depletion Glycogen																											2
Eosinophilic Focus						X												X									
Eosinophilic Focus, Multiple																											X
Fatty Change			2					2	2	2			2			2	3						1				
Hematopoietic Cell Proliferation			1							1				1												1	
Hemorrhage																											2

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B6C3F1 MICE MALE 0 MG/KG	DAY ON TEST																									males (cont...)
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
	6	7	7	7	7	7	6	2	7	5	6	5	6	7	4	5	6	7	5	6	7	7	0	7		
	8	2	2	3	2	2	3	9	3	6	0	9	8	3	9	9	0	3	8	2	3	3	0	3		
	4	9	9	1	9	9	0	9	8	0	9	0	2	0	4	8	6	0	4	6	0	0	3	1		
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
ANIMAL ID	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2		
	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	
Inflammation, Chronic	2	1	1								1			1						1	1			1		
Mineralization																				1						
Mixed Cell Focus																										
Necrosis, Focal																			2							
Tension Lipidosis																										
Bile Duct, Cyst																										
Kupffer Cell, Pigmentation																						1				
Mesentery			+			+	+			+							+	+			+					
Hemorrhage																			2							
Inflammation, Chronic																										
Artery, Thrombosis																								2		
Fat, Necrosis			2				2			2								2								
Pancreas	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		
Atrophy				2				1	1															3		
Cyst				2																						
Hypertrophy, Focal																										
Inflammation, Chronic	1	1					2	1							1							1		1		
Inflammation, Chronic Active				2																			2			
Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		
Atrophy				2													2									
Cyst							2																			
Infiltration Cellular, Mononuclear Cell	1	1	1	1	1	1		1		1	1	1		1	1			1	1		1	1				
Inflammation, Granulomatous							2																			
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		
Erosion																										
Fibrosis																										

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B6C3F1 MICE MALE 0 MG/KG	DAY ON TEST	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	ANIMAL ID	males (cont...)	
		6	7	7	7	7	7	6	2	7	5	6	5	6	7	4	5	6	7	5	6	7	7	0	7			
		8	2	2	3	2	2	3	3	9	3	6	0	9	8	3	9	9	0	3	8	2	3	3	0	3		
		4	9	9	1	9	9	0	9	8	0	9	0	2	0	0	4	8	6	0	4	6	0	0	3	1		
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
		0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2		
		1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5		

Inflammation									1						1			1			2	2			
Mineralization														1											
Necrosis										2															
Ulcer									2										1				2		
Epithelium, Hyperplasia					3			3	2			3	2			2	1		1	3		2			

Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Inflammation																									
Inflammation, Acute																									
Mineralization																									
Ulcer																									

Tooth																									
Inflammation, Acute																									
Inflammation, Chronic Active																									
Necrosis																									

CARDIOVASCULAR SYSTEM

Blood Vessel	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Cardiomyopathy															1	1	1	1							
Mineralization					2																				
Artery, Inflammation, Chronic Active																									

ENDOCRINE SYSTEM

Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Accessory Adrenal Cortical Nodule																									
Degeneration, Fatty																									

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B6C3F1 MICE MALE 0 MG/KG	DAY ON TEST																									ANIMAL ID	males (cont...)
	0684	0729	0779	0773	0772	0773	0776	0762	0727	0755	0665	0756	0767	0744	0755	0666	0777	0755	0666	0777	0773	0773	0700	0707			
Hypertrophy, Focal	2						1		1				2	1							1						
Hypertrophy, Diffuse																											
Vacuolization Cytoplasmic																											
Capsule, Hyperplasia	2	2	1	2	2	2	2	1		1	1	2	1	1	2	1	1		2			1		1			
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			
Hyperplasia	1	1			1			1			1	2			1				4	1	1	1	1	1			
Parathyroid Gland	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	M	+	+	+	+	+	+	+				
Cyst													2														
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			
Pars Distalis, Angiectasis					3																						
Pars Distalis, Cyst																								2			
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			
Mineralization																											
Follicle, Degeneration	1			2				1			1	1		2	1	1			1		2						
Follicle, Hypertrophy	1		1	1	1	1	1	1												1	1						

**GENERAL BODY SYSTEM**

Tissue NOS

+

**GENITAL SYSTEM**

Coagulating Gland  
Cyst

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B6C3F1 MICE MALE 0 MG/KG	DAY ON TEST																									males (cont...)
	0684	0729	0779	0773	0777	0777	0777	0676	0229	0773	0553	0650	0569	0678	0499	0558	0670	0753	0566	0772	0562	0773	0700	0707		
ANIMAL ID	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	
Epididymis	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Granuloma Sperm Inflammation, Granulomatous																										
Inflammation, Chronic	1	1	1	1	1			1					1				1				1					
Inflammation, Chronic Active																										
Necrosis																										
Artery, Inflammation					2																					
Penis																										
Concretion																										
Inflammation, Acute																										
Preputial Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Cyst	4							2													2	2			2	
Inflammation, Acute	2																								2	
Inflammation, Chronic			2		2		1							2	1					2	1	2				
Inflammation, Chronic Active																										
Prostate	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Inflammation, Acute													4						3		2					
Inflammation, Chronic	2	1	1	1	1	1			1	1				1	1	1						1				
Epithelium, Hyperplasia												2							1		1					
Seminal Vesicle	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Inflammation, Acute													2													
Inflammation, Chronic																								1		
Testes	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Giant Cell												1										1				
Germinal Epithelium, Atrophy											2			1		1			1			2	1			

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B6C3F1 MICE MALE	DAY ON TEST																									ANIMAL ID	males (cont...)
	0684	0729	0779	0771	0777	0777	0777	0676	0222	0775	0566	0565	0666	0777	0444	0555	0666	0777	0555	0666	0777	0777	0000	0777			
0 MG/KG	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	1234567890123456789012345	

**HEMATOPOIETIC SYSTEM**

Bone Marrow Myeloid Cell, Hyperplasia	+ +																									2
Lymph Node Hyperplasia, Lymphoid Pigmentation																										
Lymph Node, Mandibular Atrophy Hemorrhage Hyperplasia, Plasma Cell Infiltration Cellular, Polymorphonuclear Necrosis, Lymphoid Pigmentation	+ +																									2 2 2 2 2 1
Lymph Node, Mesenteric Congestion Ectasia Hematopoietic Cell Proliferation Hemorrhage Hyperplasia, Lymphoid Infiltration Cellular, Polymorphonuclear Pigmentation	+ +																									3 2 2 4 2 1
Spleen Atrophy Hematopoietic Cell Proliferation Pigmentation	+ +																									3 1 2 2 2 2 2 2 2 3 1

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 X .. Lesion present A .. Autolysis precludes evaluation  
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B6C3F1 MICE MALE  0 MG/KG		DAY ON TEST	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	males (cont...)				
		ANIMAL ID	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0					
		6	7	7	7	7	7	7	6	2	7	5	6	5	6	7	4	5	6	7	5	6	7	7	0	7						
		8	2	2	3	2	2	3	3	9	3	6	0	9	8	3	9	9	0	3	8	2	3	3	0	3						
		4	9	9	1	9	9	0	9	8	0	9	0	2	0	0	4	8	6	0	4	6	0	0	3	1						
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
		0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2		
		1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5						

Lymphoid Follicle, Atrophy																																				
Lymphoid Follicle, Hyperplasia	2		1					1														3														
Thymus	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	M	+	+	+	I	+	+	I											
Atrophy		1					1	3		1		3	3	4	1	1	1				3	4		2	4											
Cyst		2				2	2					2				2	2																			
Hyperplasia, Lymphoid																1																				

### INTEGUMENTARY SYSTEM

Mammary Gland	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	+	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M		
Skin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Hyperkeratosis												4																								
Inflammation, Acute						2																														
Inflammation, Chronic	1										3																									
Inflammation, Chronic Active																																				
Ulcer																																				
Epidermis, Hyperplasia																																				
Lip, Inflammation, Acute								1																												
Subcutaneous Tissue, Inflammation, Chronic																																				
Subcutaneous Tissue, Necrosis												2																								

### MUSCULOSKELETAL SYSTEM

Bone	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	I	+		
Fibro-Osseous Lesion																	1																			
Tail, Developmental Malformation																							X													
Vertebra, Callus												1							4																	
Skeletal Muscle											+								+																	

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First Dose M/F: 02/25/08 / 02/25/08

Lab: SRI

<b>B6C3F1 MICE MALE</b>	<b>DAY ON TEST</b>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		6	7	7	7	7	7	7	6	2	7	5	6	5	6	7	4	5	6	7	5	6	7	7	0	0	0
<b>0 MG/KG</b>	<b>ANIMAL ID</b>	8	2	2	3	2	2	3	3	9	3	6	0	9	8	3	9	9	0	3	8	2	3	3	0	0	3
		4	9	9	1	9	9	0	9	8	0	9	0	2	0	0	4	8	6	0	4	6	6	0	0	3	1

males (cont...)

Fibrosis	3	4
Hemorrhage	4	3
Inflammation, Chronic	2	3
Regeneration	2	

NERVOUS SYSTEM

Brain	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Hemorrhage				1								1															
Meninges, Inflammation, Chronic																											
<hr/>																											
Peripheral Nerve														+													+
Degeneration														3													3
Hemorrhage																											2
<hr/>																											
Spinal Cord															+												

RESPIRATORY SYSTEM

Lung	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Congestion																											
Hemorrhage						2	2		2																	2	
Infiltration Cellular, Histiocyte				2	2															2							3
Inflammation, Acute									1																	1	
Inflammation, Chronic					2																						
Mineralization																											
Thrombosis																2											
Alveolar Epithelium, Hyperplasia																											
<hr/>																											
Nose	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Foreign Body																											

\* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade  
+ .. Tissue examined microscopically      M .. Missing tissue  
X .. Lesion present      A .. Autolysis precludes evaluation      1-4 .. Lesion qualified as:  
I .. Insufficient tissue      BLANK .. Not examined microscopically      1) Minimal 3) Moderate  
2) Mild 4) Marked

Experiment Number: 20209 - 04

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: MICE/B6C3F1

**P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL**

Pentabromodiphenyl oxide (technical) (DE 71)

CAS Number: 32534-81-9

Date Report Requested: 09/10/2014

Time Report Requested: 08:48:43

First Dose M/F: 02/25/08 / 02/25/08

Lab: SRI

B6C3F1 MICE MALE	DAY ON TEST																								ANIMAL ID	
	0684	0729	0779	0773	0777	0777	0777	0666	0227	0775	0566	0565	0666	0777	0445	0566	0777	0566	0777	0566	0777	0770	0770			
0 MG/KG	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000			
	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3			
Fungus																										
Inflammation, Acute											1							3					1			
Mineralization																										
Glands, Fibrosis																										
Trachea	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	M	+	+	+	+	+	+	+			

males  
(cont...)

**SPECIAL SENSES SYSTEM**

Eye	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Atrophy					4																		
Anterior Chamber, Edema													2										
Anterior Chamber, Infiltration Cellular, Polymorphonuclear																							2
Anterior Chamber, Necrosis														2									
Cornea, Fibrosis																							
Cornea, Inflammation																							2
Cornea, Inflammation, Acute																							
Cornea, Inflammation, Chronic Active																							
Cornea, Necrosis																							2
Cornea, Epithelium, Hyperplasia																							
Nerve, Degeneration																2							
Nerve, Inflammation, Acute																1							
Harderian Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Atrophy																							
Fibrosis																							
Hemorrhage															2								
Hyperplasia																							
Hyperplasia, Focal																							
Inflammation, Acute																2							

\* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade  
+ .. Tissue examined microscopically      M .. Missing tissue  
X .. Lesion present                              A .. Autolysis precludes evaluation  
I .. Insufficient tissue                         BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:  
1) Minimal 3) Moderate  
2) Mild 4) Marked



Experiment Number: 20209 - 04

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: MICE/B6C3F1

**P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL**

Pentabromodiphenyl oxide (technical) (DE 71)

CAS Number: 32534-81-9

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Time Report Requested: 08:48:43

First Dose M/F: 02/25/08 / 02/25/08

Lab: SRI

<b>B6C3F1 MICE MALE</b>	DAY ON TEST	0684	0729	0721	0729	0779	0770	0623	0278	0570	0659	0590	0668	0770	0494	0598	0660	0774	0586	0674	0723	0730	0003	0703	0071	<b>males (cont...)</b>
	ANIMAL ID	0001	0002	0003	0004	0005	0006	0007	0008	0009	0010	0011	0012	0013	0014	0015	0016	0017	0018	0019	0020	0021	0022	0023	0024	

Hemorrhage  
Inflammation, Acute  
Necrosis

2

2

\* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

X .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

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Experiment Number: 20209 - 04

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: MICE/B6C3F1

**P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL**

Pentabromodiphenyl oxide (technical) (DE 71)

CAS Number: 32534-81-9

Date Report Requested: 09/10/2014

Time Report Requested: 08:48:43

First Dose M/F: 02/25/08 / 02/25/08

Lab: SRI

B6C3F1 MICE MALE 0 MG/KG	DAY ON TEST																								* TOTALS
	0729	0729	0730	0731	0752	0777	0777	0766	0777	0776	0757	0745	0777	0744	0755	0777	0773	0722	0728	0759	0777	0777	0777	0777	
	0006	0007	0008	0009	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	
Inflammation, Chronic	1	1					2											1					2	13	1.2
Mineralization																								1	1.0
Mixed Cell Focus													X									X		2	
Necrosis, Focal																4								2	3.0
Tension Lipidosis													1											1	1.0
Bile Duct, Cyst	X																							1	
Kupffer Cell, Pigmentation		1												1				1				1		5	1.0
Mesentery							+									+	+		+		+		12		
Hemorrhage																								1	2.0
Inflammation, Chronic																	2							1	2.0
Artery, Thrombosis																								1	2.0
Fat, Necrosis							2									2			2		2			8	2.0
Pancreas	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Atrophy			1				1			2								1			2	1		10	1.5
Cyst																								1	2.0
Hypertrophy, Focal							2																	1	2.0
Inflammation, Chronic				1	1		1											1		1				12	1.1
Inflammation, Chronic Active																								2	2.0
Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Atrophy																								2	2.0
Cyst																								1	2.0
Infiltration Cellular, Mononuclear Cell	1	1		1	1		2					1	1			1	1	1	1	1	1	1	1	31	1.0
Inflammation, Granulomatous																								1	2.0
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Erosion			3					2		2												3		4	2.5
Fibrosis									2							1								2	1.5

\* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

X .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

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BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

Experiment Number: 20209 - 04  
Test Type: CHRONIC  
Route: GAVAGE  
Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL  
Pentabromodiphenyl oxide (technical) (DE 71)  
CAS Number: 32534-81-9

Date Report Requested: 09/10/2014  
Time Report Requested: 08:48:43  
First Dose M/F: 02/25/08 / 02/25/08  
Lab: SRI

<b>B6C3F1 MICE MALE</b>  <b>0 MG/KG</b>		DAY ON TEST	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
		ANIMAL ID	7	7	7	7	5	7	7	6	7	7	6	7	5	7	4	5	7	7	7	7	5	7	7	7
			2	2	3	3	2	2	3	6	2	3	0	3	6	3	9	9	3	3	2	2	8	3	3	
			9	9	0	1	1	9	0	0	1	1	0	0	8	0	1	8	1	1	9	9	9	0	0	
			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
			2	2	2	2	3	3	3	3	3	3	3	3	3	4	4	4	4	4	4	4	4	4	4	
			6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	
																										<b>* TOTALS</b>

Inflammation				1	2	1	1			3	1	2	1		3	2						2	2			<b>18</b>	<b>1.7</b>	
Mineralization																										<b>1</b>	<b>1.0</b>	
Necrosis																										<b>1</b>	<b>2.0</b>	
Ulcer					2					4	2				4	2						2				<b>9</b>	<b>2.3</b>	
Epithelium, Hyperplasia				2	2	2	1			2	3	2	1		2	2			2			2	1	4	2	3	<b>26</b>	<b>2.1</b>
Stomach, Glandular																												<b>50</b>
Inflammation											1																<b>1</b>	<b>1.0</b>
Inflammation, Acute																							1				<b>1</b>	<b>1.0</b>
Mineralization				1							3						3					1					<b>4</b>	<b>2.0</b>
Ulcer										2																	<b>1</b>	<b>2.0</b>
Tooth																												<b>2</b>
Inflammation, Acute																											<b>1</b>	<b>2.0</b>
Inflammation, Chronic Active																											<b>1</b>	<b>3.0</b>
Necrosis																											<b>1</b>	<b>2.0</b>

CARDIOVASCULAR SYSTEM

Blood Vessel	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	<b>50</b>		
Heart																												<b>50</b>
Cardiomyopathy	1	1													1								1				<b>8</b>	<b>1.0</b>
Mineralization																											<b>1</b>	<b>2.0</b>
Artery, Inflammation, Chronic Active					2																						<b>1</b>	<b>2.0</b>

ENDOCRINE SYSTEM

Adrenal Cortex																												<b>50</b>
Accessory Adrenal Cortical Nodule																											<b>2</b>	<b>1.5</b>
Degeneration, Fatty										1																	<b>1</b>	<b>1.0</b>

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1-4 .. Lesion qualified as:  
1) Minimal 3) Moderate  
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Experiment Number: 20209 - 04

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: MICE/B6C3F1

**P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL**

Pentabromodiphenyl oxide (technical) (DE 71)

CAS Number: 32534-81-9

Date Report Requested: 09/10/2014

Time Report Requested: 08:48:43

First Dose M/F: 02/25/08 / 02/25/08

Lab: SRI

B6C3F1 MICE MALE 0 MG/KG	DAY ON TEST																				* TOTALS								
	0729	0729	0730	0731	0751	0771	0776	0766	0777	0776	0767	0755	0777	0744	0755	0777	0777	0722	0722	0758		0773	0773	0733	0772	0777	0777		
ANIMAL ID	00026	00007	00008	00009	00000	00001	00002	00003	00004	00005	00006	00007	00008	00009	00000	00001	00002	00003	00004	00005	00006	00007	00008	00009	00000	00001			
Hypertrophy, Focal	2	2					1											1									10	1.4	
Hypertrophy, Diffuse																												1	1.0
Vacuolization Cytoplasmic				1																								1	1.0
Capsule, Hyperplasia	2		2	1	1	2	2	2	2	1	1	2	2	2	2	1	1	2	3		2	2	4	2	1		42	1.7	
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50		
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50		
Hyperplasia	1	1		1	2	1	2	1		1	2	1	1	2	2		1	1		1	1		1	1			32	1.3	
Parathyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48		
Cyst																	2						2				3	2.0	
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	47		
Pars Distalis, Angiectasis																												1	3.0
Pars Distalis, Cyst				2																								2	2.0
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50		
Mineralization																												1	1.0
Follicle, Degeneration			4	3		1				1		2	1	2		1					2			2	1		21	1.6	
Follicle, Hypertrophy	1		1	1		1				2		1	1	1		1	2	2	1	1	2	1		1			25	1.2	
<b>GENERAL BODY SYSTEM</b>																													
Tissue NOS																												2	
<b>GENITAL SYSTEM</b>																													
Coagulating Gland																												1	
Cyst																												4	4.0

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Lab: SRI

B6C3F1 MICE MALE 0 MG/KG	DAY ON TEST																				* TOTALS				
	0729	0729	0730	0731	0752	0777	0777	0766	0777	0776	0767	0755	0777	0744	0755	0777	0777	0722	0777	0755		0777	0777	0777	0777
ANIMAL ID	00026	00007	00008	00009	00000	00001	00002	00003	00004	00005	00006	00007	00008	00009	00000	00001	00002	00003	00004	00005	00006	00007	00008	00009	00000
Epididymis	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Granuloma Sperm									3																1 3.0
Inflammation, Granulomatous							2																		1 2.0
Inflammation, Chronic	1			1			1				1			1	2				1	1	1	2		1 1	21 1.1
Inflammation, Chronic Active											3														1 3.0
Necrosis											2														1 2.0
Artery, Inflammation																									1 2.0
Penis						+																			1
Concretion						4																			1 4.0
Inflammation, Acute						2																			1 2.0
Preputial Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Cyst									2				2			2						2			9 2.2
Inflammation, Acute																									2 2.0
Inflammation, Chronic	2	2		1			1		2	2	1	2	2		2		2	2				2	1	1	24 1.6
Inflammation, Chronic Active																						2			1 2.0
Prostate	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Inflammation, Acute																	3								4 3.0
Inflammation, Chronic	1	1	1	1			1				1			1	2			1	1	1	1			1	27 1.1
Epithelium, Hyperplasia																									3 1.3
Seminal Vesicle	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Inflammation, Acute																						4			2 3.0
Inflammation, Chronic							1																1		3 1.0
Testes	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Giant Cell																									2 1.0
Germinal Epithelium, Atrophy									1		2							2						2	11 1.5

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Lab: SRI

B6C3F1 MICE MALE	DAY ON TEST																								* TOTALS											
	0729	0729	0730	0731	0751	0771	0776	0766	0776	0776	0766	0776	0755	0776	0744	0755	0776	0776	0722	0776	0755	0776	0776	0776												
0 MG/KG	ANIMAL ID																																			
	00026	00007	00008	00009	00010	00011	00012	00013	00014	00015	00016	00017	00018	00019	00020	00021	00022	00023	00024	00025	00026	00027	00028	00029	00030											
Lymphoid Follicle, Atrophy																2	<b>1</b>	<b>2.0</b>																		
Lymphoid Follicle, Hyperplasia	1						1	4	2		2		2		2		2		2		2		2		1	<b>11</b>	<b>1.8</b>									
Thymus	+	+	+	+	+	M	+	M	+	+	+	+	M	+	A	I	I	+	+	+	+	+	+	+	<b>40</b>											
Atrophy	1	1	2	1	4			4		2		2		2				2		2		2		1		<b>26</b>	<b>2.2</b>									
Cyst	2		2						2								2		2		2		2		<b>14</b>	<b>2.0</b>										
Hyperplasia, Lymphoid																									<b>1</b>	<b>1.0</b>										
<b>INTEGUMENTARY SYSTEM</b>																																				
Mammary Gland	M	M	M	M	M	M	M	M	+	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	<b>2</b>										
Skin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	<b>50</b>										
Hyperkeratosis																									<b>1</b>	<b>4.0</b>										
Inflammation, Acute	1																										<b>2</b>	<b>1.5</b>								
Inflammation, Chronic																									<b>2</b>	<b>2.0</b>										
Inflammation, Chronic Active						1																									<b>1</b>	<b>1.0</b>				
Ulcer					4					4																									<b>2</b>	<b>4.0</b>
Epidermis, Hyperplasia						2																									<b>1</b>	<b>2.0</b>				
Lip, Inflammation, Acute				1																									<b>2</b>	<b>1.0</b>						
Subcutaneous Tissue, Inflammation, Chronic																									1	<b>1</b>	<b>1.0</b>									
Subcutaneous Tissue, Necrosis																									<b>1</b>	<b>2.0</b>										
<b>MUSCULOSKELETAL SYSTEM</b>																																				
Bone	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	<b>49</b>										
Fibro-Osseous Lesion						1																									<b>2</b>	<b>1.0</b>				
Tail, Developmental Malformation																									<b>1</b>											
Vertebra, Callus																									<b>2</b>	<b>2.5</b>										
Skeletal Muscle																									<b>2</b>											

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+ .. Tissue examined microscopically  
X .. Lesion present  
I .. Insufficient tissue  
M .. Missing tissue  
A .. Autolysis precludes evaluation  
BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:  
1) Minimal 3) Moderate  
2) Mild 4) Marked





Experiment Number: 20209 - 04

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: MICE/B6C3F1

**P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL**

Pentabromodiphenyl oxide (technical) (DE 71)

CAS Number: 32534-81-9

Date Report Requested: 09/10/2014

Time Report Requested: 08:48:43

First Dose M/F: 02/25/08 / 02/25/08

Lab: SRI

B6C3F1 MICE MALE 0 MG/KG	DAY ON TEST	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		7	7	7	7	5	7	7	6	7	7	6	7	5	7	4	5	7	7	7	7	5	7	7	7	7	7
		2	2	3	3	2	2	3	6	2	3	0	3	6	3	9	9	3	3	2	2	8	3	3	3	2	9
ANIMAL ID	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2	2	2	2	3	3	3	3	3	3	3	3	3	3	3	3	4	4	4	4	4	4	4	4	4	4	5
	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	0	0

\* TOTALS

Inflammation, Chronic	1	1.0
Necrosis	1	4.0

Zymbal's Gland	1
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**URINARY SYSTEM**

Kidney	+																							<b>50</b>								
Congestion																								1	3.0							
Infarct																								1	3							
Infarct, Multiple																								1	3.0							
Infiltration Cellular, Mononuclear Cell	1	1		1	1	1	1		2	1		2	1	1	1		1	1		1			1	2								
Inflammation, Acute																								1	2.0							
Metaplasia, Osseous																								1	1							
Mineralization	1	1	1		1	1	1	1	1	2			1	1	1		2	1		1	1		1									
Nephropathy	1	1	1	3	1	1	1		4	1			1	2			2	1	2		1	1	1	1								
Artery, Perirenal Tissue, Inflammation																								1	2.0							
Interstitial, Inflammation																								1	3.0							
Interstitial, Inflammation, Chronic																								2	2.5							
Papilla, Inflammation, Acute																								1	1.0							
Papilla, Necrosis	1																						1	4.3								
Pelvis, Inflammation, Acute																								1	2.0							
Pelvis, Inflammation, Chronic																								1	2.0							
Renal Tubule, Cyst																								1								
Renal Tubule, Cyst, Multiple																								1								
Renal Tubule, Degeneration																								3	2.3							
Renal Tubule, Dilatation			1																				1		1	1			1			
Renal Tubule, Pigmentation																								1	4.0							
Transitional Epithelium, Hyperplasia																								1	1.0							

Urinary Bladder	+																							<b>50</b>
-----------------	---	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	-----------

\* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade  
+ .. Tissue examined microscopically                      M .. Missing tissue  
X .. Lesion present    A .. Autolysis precludes evaluation  
I .. Insufficient tissue    BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:  
1) Minimal 3) Moderate  
2) Mild 4) Marked

Experiment Number: 20209 - 04

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Pentabromodiphenyl oxide (technical) (DE 71)

CAS Number: 32534-81-9

Date Report Requested: 09/10/2014

Time Report Requested: 08:48:43

First Dose M/F: 02/25/08 / 02/25/08

Lab: SRI

<b>B6C3F1 MICE MALE</b> <b>0 MG/KG</b>	DAY ON TEST	0729	0729	0730	0731	0731	0732	0733	0734	0735	0736	0737	0738	0739	0740	0741	0742	0743	0744	0745	0746	0747	0748	0749	<b>* TOTALS</b>	
	ANIMAL ID	0026	0027	0028	0029	0030	0031	0032	0033	0034	0035	0036	0037	0038	0039	0040	0041	0042	0043	0044	0045	0046	0047	0048		0049
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0

Hemorrhage	2		<b>2 2.0</b>
Inflammation, Acute		1	<b>2 1.5</b>
Necrosis	1		<b>1 1.0</b>

\* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade  
 + .. Tissue examined microscopically  
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First Dose M/F: 02/25/08 / 02/25/08

Lab: SRI

<b>B6C3F1 MICE MALE</b>	DAY ON TEST	0730	0730	0731	0731	0752	0756	0772	0777	0766	0776	0767	0777	0777	0777	0777	0777	0766	0777	0755	0755	0777	0777	0766	<b>males (cont...)</b>	
	<b>3 MG/KG</b>	0051	0052	0053	0054	0055	0056	0057	0058	0059	0060	0061	0062	0063	0064	0065	0066	0067	0068	0069	0070	0071	0072	0073		0074
	ANIMAL ID	0005	0006	0007	0008	0009	0010	0011	0012	0013	0014	0015	0016	0017	0018	0019	0020	0021	0022	0023	0024	0025	0026	0027	0028	0029

**ALIMENTARY SYSTEM**

Esophagus Inflammation, Chronic Muscularis, Degeneration	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	1	1
Gallbladder	+	+	+	+	M	+	A	+	+	M	+	+	+	+	+	+	+	+	+	+	A	A	+	+	+		
Intestine Large, Cecum	+	+	+	+	+	+	A	+	+	+	+	A	+	+	+	+	+	+	+	+	A	A	+	+	+		
Intestine Large, Colon	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	A	A	+	+	+		
Intestine Large, Rectum Serosa, Fibrosis	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	A	A	+	+	+		
Intestine Small, Duodenum	+	+	+	+	+	+	A	+	+	+	+	A	+	+	+	+	+	+	+	+	A	A	+	+	+		
Intestine Small, Ileum	+	+	+	+	+	+	A	+	M	+	+	A	+	+	+	M	+	+	+	+	A	A	+	+	+		
Intestine Small, Jejunum Peyer's Patch, Hyperplasia	+	+	+	+	+	+	A	+	+	+	+	A	+	+	+	+	+	+	+	+	A	A	+	I	+		
Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Basophilic Focus																											
Basophilic Focus, Multiple																											
Clear Cell Focus																											
Clear Cell Focus, Multiple																											
Congestion																											
Depletion Glycogen																											
Eosinophilic Focus																											
Eosinophilic Focus, Multiple																											

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First Dose M/F: 02/25/08 / 02/25/08

Lab: SRI

B6C3F1 MICE MALE 3 MG/KG	DAY ON TEST																									males (cont...)
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
	7	7	7	7	7	5	6	7	7	6	7	6	7	7	7	7	7	7	6	7	5	5	7	7	6	
	3	3	3	3	2	5	2	2	3	2	3	1	3	3	3	3	0	3	0	3	9	9	3	3	9	
	0	0	1	1	9	6	0	9	0	6	0	8	1	0	0	0	8	1	3	1	1	6	1	1	2	
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	5	5	5	5	5	5	5	5	5	6	6	6	6	6	6	6	6	6	6	7	7	7	7	7	7	
	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	
Fatty Change	2			1		1	1				1			2	2	1	1	1	1	1	1	2	2		1	
Hematopoietic Cell Proliferation	1				1			1						1				1								
Hemorrhage									1																	
Inflammation, Chronic		2	1	1	1						1			1	1						1				1	
Mixed Cell Focus																				X			X			
Mixed Cell Focus, Multiple																										
Necrosis, Focal											1															
Centrilobular, Hepatocyte, Hypertrophy		2	1	1							1			1	2	1	1	1	1	1	2	2	1	2	2	
Hepatocyte, Mitotic Alteration																										
Kupffer Cell, Pigmentation	1							1	1	1		1				1		1					1	1	1	
Mesentery																										
Fat, Necrosis																										
Pancreas	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Atrophy	1	1	2	1		2											1						1			
Cyst				2	2										2											
Inflammation, Granulomatous, Focal							3																			
Inflammation, Acute																										
Inflammation, Chronic	1		1	1						1		1			1	1	1				2		1	1		
Mineralization							3																			
Necrosis																										
Artery, Inflammation, Chronic Active																										
Artery, Mineralization											1															
Artery, Necrosis																										
Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Infiltration Cellular, Mononuclear Cell	1	1	1	1	1	1		2	1		1	1				1	1	1	1		1	1		2	1	1
Inflammation, Acute											2															
Mineralization				1									2												1	

\* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

X .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

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Experiment Number: 20209 - 04

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Pentabromodiphenyl oxide (technical) (DE 71)

CAS Number: 32534-81-9

Date Report Requested: 09/10/2014

Time Report Requested: 08:48:43

First Dose M/F: 02/25/08 / 02/25/08

Lab: SRI

B6C3F1 MICE MALE 3 MG/KG	DAY ON TEST	0730	0733	0733	0733	0732	0755	0766	0777	0777	0766	0777	0766	0777	0777	0777	0777	0766	0777	0755	0755	0777	0777	0766	ANIMAL ID	males (cont...)		
	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000				
Adrenal Cortex		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			
Accessory Adrenal Cortical Nodule Hypertrophy, Focal Capsule, Hyperplasia		1	2	2	2	2		1	2	2	1	2		1	2	1	2		1				2	2				
Adrenal Medulla Hyperplasia		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			
Islets, Pancreatic Hyperplasia		1	2		2	1				1	1	2		1		2			2	1		1	1	2				
Parathyroid Gland Cyst		+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	M	+	M	+	+	+	+			
Pituitary Gland Pars Distalis, Cyst Pars Distalis, Hyperplasia, Focal		+	+	+	+	I	+	+	+	+	+	+	+	M	+	+	+	+	+	+	I	+	+	M	+			
Thyroid Gland Hypertrophy Follicle, Degeneration Follicle, Degeneration, Focal Follicle, Hypertrophy		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+			
		2	2															3			1							
		1	1	2	1	2		1		1		1		2	2	1	2		1		1		2	2	1	2		

GENERAL BODY SYSTEM

Tissue NOS  
Abdominal, Fibrosis  
Fat, Necrosis

\* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade  
+ .. Tissue examined microscopically  
X .. Lesion present  
I .. Insufficient tissue  
M .. Missing tissue  
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Experiment Number: 20209 - 04

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**P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL**

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First Dose M/F: 02/25/08 / 02/25/08

Lab: SRI

<b>B6C3F1 MICE MALE</b>	DAY ON TEST	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		7	7	7	7	7	5	6	7	7	6	7	6	7	7	7	7	7	6	7	5	5	7	7	6
		3	3	3	3	2	5	2	2	3	2	3	1	3	3	3	3	0	3	0	3	9	9	3	3
<b>3 MG/KG</b>	ANIMAL ID	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		5	5	5	5	5	5	5	5	6	6	6	6	6	6	6	6	6	7	7	7	7	7	7	
		1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	
																							<b>males</b>		
																							<b>(cont...)</b>		

**GENITAL SYSTEM**

Epididymis	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Inflammation, Chronic	2	1	1	1		1		1	1		1	1		2	1	2		1	1	1		1	1	2
Preputial Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Cyst										2		2				2	2	2		2	2			
Ectasia																								
Fibrosis																								
Inflammation, Chronic			1	1	1		2				2				1	2		2	2	1			2	2
Inflammation, Chronic Active						1																		1
Prostate	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Fibrosis																								
Inflammation, Acute																						1		
Inflammation, Chronic	1	1	1	1		1	2	2	1	1	2		1		1	2	1	1		2		2		1
Inflammation, Chronic Active																								
Necrosis																							2	
Seminal Vesicle	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Dilatation																								
Hemorrhage																								
Inflammation, Acute																								
Inflammation, Chronic									1	1						1		1				1		
Testes	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Abnormal Residual Body																								1
Germinal Epithelium, Atrophy				1				1			1			1			2							

**HEMATOPOIETIC SYSTEM**

\* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade  
 + .. Tissue examined microscopically M .. Missing tissue 1-4 .. Lesion qualified as:  
 X .. Lesion present A .. Autolysis precludes evaluation 1) Minimal 3) Moderate  
 I .. Insufficient tissue BLANK .. Not examined microscopically 2) Mild 4) Marked

Experiment Number: 20209 - 04

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: MICE/B6C3F1

**P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL**

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Lab: SRI

B6C3F1 MICE MALE 3 MG/KG	DAY ON TEST	0730	0733	0733	0733	0752	0756	0777	0777	0766	0777	0766	0777	0777	0777	0777	0777	0766	0777	0755	0755	0777	0777	0766	ANIMAL ID	males (cont...)	
	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000			
Bone Marrow		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			
Lymph Node Iliac, Hyperplasia, Lymphoid																										+	
Lymph Node, Mandibular Hemorrhage Hyperplasia, Lymphoid Infiltration Cellular, Polymorphonuclear Pigmentation		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		2 1 3 1 1 2 1 1 1 1 2 2 1 1 1 1 1 1 2 2 1 1 2	
Lymph Node, Mesenteric Ectasia Hemorrhage Hyperplasia, Lymphoid Infiltration Cellular, Polymorphonuclear Necrosis, Lymphoid		+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+		2 2 2 2		
Spleen Hematopoietic Cell Proliferation Pigmentation Capsule, Fibrosis, Focal Capsule, Inflammation, Granulomatous, Focal Lymphoid Follicle, Atrophy Lymphoid Follicle, Hyperplasia		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+		2 1 1 2 1 3 2	
Thymus Atrophy Cyst Hyperplasia, Lymphoid		+	+	+	+	+	+	+	+	+	+	M	I	I	+	+	+	+	+	+	+	A	I	I	M		2 2 2 1

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 + .. Tissue examined microscopically  
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Lab: SRI

<b>B6C3F1 MICE MALE</b>	DAY ON TEST	0730	0730	0731	0731	0752	0756	0772	0777	0766	0776	0767	0777	0777	0777	0777	0777	0766	0777	0755	0755	0777	0777	0766		
	ANIMAL ID	00051	00052	00053	00054	00055	00056	00057	00058	00059	00060	00061	00062	00063	00064	00065	00066	00067	00068	00069	00070	00071	00072	00073		00074
<b>3 MG/KG</b>																										<b>males (cont...)</b>
Necrosis, Lymphoid		2										2		3												

INTEGUMENTARY SYSTEM

Mammary Gland	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M
Skin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Fibrosis																										
Hyperkeratosis																										
Inflammation, Acute																										
Inflammation, Chronic																										
Inflammation, Chronic Active																										
Ulcer																										
Epidermis, Hyperplasia																										
Lip, Inflammation, Acute																										
Subcutaneous Tissue, Angiectasis, Focal																										

MUSCULOSKELETAL SYSTEM

Bone	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Fibro-Osseous Lesion																										
Tail, Callus																										
Tail, Developmental Malformation																										
Skeletal Muscle																										

NERVOUS SYSTEM

Brain	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Hemorrhage																										
Infiltration Cellular, Mononuclear Cell																										

\* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade  
+ .. Tissue examined microscopically  
X .. Lesion present  
I .. Insufficient tissue  
M .. Missing tissue  
A .. Autolysis precludes evaluation  
BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:  
1) Minimal 3) Moderate  
2) Mild 4) Marked

Experiment Number: 20209 - 04

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Pentabromodiphenyl oxide (technical) (DE 71)

CAS Number: 32534-81-9

Date Report Requested: 09/10/2014

Time Report Requested: 08:48:43

First Dose M/F: 02/25/08 / 02/25/08

Lab: SRI

<b>B6C3F1 MICE MALE</b>	DAY ON TEST	0730	0730	0731	0731	0752	0756	0772	0777	0766	0776	0767	0777	0777	0777	0777	0777	0766	0777	0755	0755	0777	0777	0766	
	ANIMAL ID	00051	00052	00053	00054	00055	00056	00057	00058	00059	00060	00061	00062	00063	00064	00065	00066	00067	00068	00069	00070	00071	00072	00073	

males (cont...)

Metaplasia, Osseous  
Meninges, Inflammation, Acute  
Meninges, Thrombosis

Peripheral Nerve Degeneration + 1

Spinal Cord +

RESPIRATORY SYSTEM

Lung +  
 Hemorrhage 2 2 2 2  
 Infiltration Cellular, Histiocyte 1 1 2  
 Inflammation, Acute  
 Mineralization 1  
 Alveolar Epithelium, Hyperplasia 3 4 2

Nose + M +  
 Foreign Body 1 1 X 1  
 Inflammation, Acute 2 1 1 2  
 Mineralization 2

Pleura

Trachea +  
 Hemorrhage 2

SPECIAL SENSES SYSTEM

Eye + + + + + + + + + + + A + + + + + + + + + A + + +

\* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade  
 + .. Tissue examined microscopically M .. Missing tissue 1-4 .. Lesion qualified as:  
 X .. Lesion present A .. Autolysis precludes evaluation 1) Minimal 3) Moderate  
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<b>B6C3F1 MICE MALE</b>	DAY ON TEST	0730	0730	0731	0731	0752	0756	0772	0777	0766	0776	0777	0777	0777	0777	0777	0777	0766	0777	0755	0755	0777	0777	0766	
	ANIMAL ID	00051	00052	00053	00054	00055	00056	00057	00058	00059	00060	00061	00062	00063	00064	00065	00066	00067	00068	00069	00070	00071	00072	00073	

males (cont...)

Cornea, Inflammation, Chronic Active

2

Harderian Gland Hyperplasia

+ +

4

URINARY SYSTEM

Kidney +

Casts Protein

Hydronephrosis

Hyperplasia, Lymphoid

Infarct

2

Infiltration Cellular, Mononuclear Cell

1 1 1 1 1 1 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1

Inflammation, Acute

Metaplasia, Osseous

1 2

Mineralization

1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 2 1 2 1 1 1

Nephropathy

1 2 1 1 1 1 1 1 4 4 2 4 2 2 2 1 3 1 1 1 2 2 1

Interstitial, Inflammation, Chronic

Papilla, Inflammation, Acute

Papilla, Necrosis

Papilla, Renal Tubule, Necrosis

Renal Tubule, Cyst

X

X

Renal Tubule, Dilatation

1 1 2 1

Renal Tubule, Hyperplasia

Urethra

Angiectasis

Inflammation, Acute

Necrosis

Bulbourethral Gland, Cyst

Bulbourethral Gland, Inflammation

2

\* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

M .. Missing tissue

X .. Lesion present

A .. Autolysis precludes evaluation

I .. Insufficient tissue

BLANK .. Not examined microscopically

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Experiment Number: 20209 - 04

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**P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL**

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|                               |   |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |                    |      |
|-------------------------------|---|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|--------------------|------|
| <b>B6C3F1 MICE MALE</b>       | DAY ON TEST   | 0730 | 0730 | 0731 | 0731 | 0732 | 0735 | 0736 | 0737 | 0737 | 0736 | 0737 | 0736 | 0737 | 0737 | 0737 | 0737 | 0737 | 0736 | 0737 | 0735 | 0735 | 0737 | 0737 | 0736 | males<br>(cont...) |      |
|                               | ANIMAL ID   | 0051 | 0052 | 0053 | 0054 | 0055 | 0056 | 0057 | 0058 | 0059 | 0060 | 0061 | 0062 | 0063 | 0064 | 0065 | 0066 | 0067 | 0068 | 0069 | 0070 | 0071 | 0072 | 0073 | 0074 |                    | 0075 |
|                               |   | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    |                    | 0    |
| Bulbourethral Gland, Necrosis | 3   |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |                    |      |
| Urinary Bladder               | + + + + + + + + + + A + + + + + + + + + + + + + + + + + |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |                    |      |
| Fibrosis                      |   |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |                    |      |
| Hemorrhage                    |   |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |                    |      |
| Inflammation, Acute           |   |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |                    |      |
| Inflammation, Chronic Active  |   |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |                    |      |
| Necrosis                      | 2   |      |      |      |      |      |      |      |      |      |      |      |      | 1    |      |      |      |      |      |      |      |      |      |      |      |                    |      |

\* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade  
 + .. Tissue examined microscopically  
 X .. Lesion present  
 I .. Insufficient tissue  
 M .. Missing tissue  
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 BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:  
 1) Minimal 3) Moderate  
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Experiment Number: 20209 - 04

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: MICE/B6C3F1

**P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL**

Pentabromodiphenyl oxide (technical) (DE 71)

CAS Number: 32534-81-9

Date Report Requested: 09/10/2014

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First Dose M/F: 02/25/08 / 02/25/08

Lab: SRI

|                         |             | 0               | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |   |   |   |   |
|-------------------------|-------------|-----------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| <b>B6C3F1 MICE MALE</b> | DAY ON TEST | 7               | 7 | 7 | 5 | 7 | 7 | 5 | 6 | 7 | 7 | 6 | 6 | 7 | 7 | 4 | 7 | 5 | 7 | 7 | 7 | 7 | 6 | 7 |   |   |   |
|                         |             | 3               | 3 | 3 | 6 | 3 | 3 | 5 | 8 | 2 | 3 | 8 | 9 | 3 | 3 | 2 | 2 | 4 | 3 | 3 | 3 | 2 | 3 | 3 | 1 | 4 | 3 |
| <b>3 MG/KG</b>          |             | 1               | 0 | 0 | 4 | 0 | 0 | 7 | 4 | 9 | 1 | 9 | 8 | 0 | 0 | 8 | 9 | 0 | 0 | 1 | 1 | 9 | 0 | 1 | 4 | 0 |   |
|                         | ANIMAL ID   | 0               | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|                         |             | 0               | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|                         |             | 0               | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|                         |             | 7               | 7 | 7 | 7 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 0 |
|                         |             | 6               | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 |   |
|                         |             | <b>* TOTALS</b> |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |

**ALIMENTARY SYSTEM**

|                              |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |       |       |  |
|------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-------|-------|--|
| Esophagus                    | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50    |       |  |
| Inflammation, Chronic        |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |       | 1 1.0 |  |
| Muscularis, Degeneration     |   |   |   |   |   |   | 1 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |       | 2 1.0 |  |
| Gallbladder                  | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | A | + | + | + | + | + | + | A | + | 42    |       |  |
| Intestine Large, Cecum       | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | A | + | + | + | + | + | + | A | + | 43    |       |  |
| Intestine Large, Colon       | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | A | + | + | + | + | + | + | A | + | 44    |       |  |
| Intestine Large, Rectum      | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | 46    |       |  |
| Serosa, Fibrosis             |   |   |   |   |   |   | 2 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1 2.0 |       |  |
| Intestine Small, Duodenum    | + | + | + | + | + | + | + | + | + | + | + | + | + | + | I | + | A | + | + | + | + | + | + | A | + | 43    |       |  |
| Intestine Small, Ileum       | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | M | + | + | + | + | + | A | + | 41    |       |  |
| Intestine Small, Jejunum     | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | A | + | + | + | + | + | A | +     | 42    |  |
| Peyer's Patch, Hyperplasia   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 2 |   |   |       | 1 2.0 |  |
| Liver                        | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50    |       |  |
| Basophilic Focus             |   |   |   |   |   |   |   |   |   |   |   | X |   |   |   |   |   |   |   |   |   |   |   |   |   | 2     |       |  |
| Basophilic Focus, Multiple   |   |   |   |   |   |   | X |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1     |       |  |
| Clear Cell Focus             |   |   |   |   |   |   |   |   |   |   |   |   | X |   |   | X |   |   |   |   |   | X |   |   |   | 6     |       |  |
| Clear Cell Focus, Multiple   | X |   | X |   |   |   |   |   |   |   |   |   |   |   |   | X |   |   |   |   | X |   |   | X |   | 7     |       |  |
| Congestion                   |   |   |   |   |   |   | 1 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1 1.0 |       |  |
| Depletion Glycogen           |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 2 |   |   |   |   |   |   |   |   |   | 1 2.0 |       |  |
| Eosinophilic Focus           |   |   |   | X |   | X |   | X | X |   | X | X |   |   |   |   |   |   |   | X |   |   |   |   |   | 12    |       |  |
| Eosinophilic Focus, Multiple |   |   |   |   | X |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | X | X |   |   |   | 10    |       |  |

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1) Minimal 3) Moderate  
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Experiment Number: 20209 - 04

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Pentabromodiphenyl oxide (technical) (DE 71)

CAS Number: 32534-81-9

Date Report Requested: 09/10/2014

Time Report Requested: 08:48:43

First Dose M/F: 02/25/08 / 02/25/08

Lab: SRI

| B6C3F1 MICE MALE<br>3 MG/KG             | DAY ON TEST |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       | * TOTALS |       |      |      |     |
|---|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------|-------|------|------|-----|
|   | 0731        | 0733  | 0730  | 0564  | 0770  | 0773  | 0575  | 0684  | 0771  | 0776  | 0666  | 0767  | 0774  | 0477  | 0774  | 0575  | 0777  | 0777  | 0777  | 0777  |          |       | 0676 | 0777 |     |
| ANIMAL ID                               | 00076       | 00077 | 00078 | 00079 | 00080 | 00081 | 00082 | 00083 | 00084 | 00085 | 00086 | 00087 | 00088 | 00089 | 00090 | 00091 | 00092 | 00093 | 00094 | 00095 | 00096    | 00097 |      |      |     |
| Fatty Change                            | 1           | 2     | 1     |       |       |       |       |       |       |       | 1     |       |       | 2     |       |       |       | 1     | 2     | 1     | 1        | 1     | 25   | 1.3  |     |
| Hematopoietic Cell Proliferation        |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |          |       | 5    | 1.0  |     |
| Hemorrhage                              |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |          |       | 1    | 1.0  |     |
| Inflammation, Chronic                   | 1           |       |       | 1     | 2     | 1     | 1     |       | 2     |       |       |       |       |       |       |       | 2     |       | 1     | 1     |          | 1     | 19   | 1.2  |     |
| Mixed Cell Focus                        |             |       | X     |       |       | X     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |          |       | 4    |      |     |
| Mixed Cell Focus, Multiple              |             |       |       |       |       |       |       |       |       | X     |       |       |       |       |       |       |       |       |       |       |          |       | 1    |      |     |
| Necrosis, Focal                         |             |       |       |       |       |       |       |       |       |       | 1     |       |       |       |       |       |       |       |       |       |          |       | 2    | 1.0  |     |
| Centrilobular, Hepatocyte, Hypertrophy  |             | 2     | 1     |       | 3     |       |       | 2     | 1     |       | 1     |       |       | 1     |       |       |       |       | 2     | 1     | 2        | 1     | 1    | 28   | 1.4 |
| Hepatocyte, Mitotic Alteration          |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       | 1     |       |       |       |          |       | 1    | 1.0  |     |
| Kupffer Cell, Pigmentation              |             |       |       | 2     |       |       |       |       | 3     |       |       |       |       |       | 2     |       |       |       | 1     |       |          | 1     | 15   | 1.3  |     |
| Mesentery                               | +           |       |       |       |       | +     |       |       |       |       |       |       |       | +     |       |       |       |       |       |       |          |       | 3    |      |     |
| Fat, Necrosis                           | 2           |       |       |       |       | 2     |       |       |       |       |       |       |       | 3     |       |       |       |       |       |       |          |       | 3    | 2.3  |     |
| Pancreas                                | +           | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +        | +     | 50   |      |     |
| Atrophy                                 |             |       | 1     | 2     |       |       |       |       |       |       |       |       |       | 2     |       | 1     |       |       | 2     |       | 1        | 1     | 14   | 1.4  |     |
| Cyst                                    |             |       |       |       |       |       |       |       |       |       |       |       | 2     |       |       |       |       |       |       |       |          |       | 4    | 2.0  |     |
| Inflammation, Granulomatous, Focal      |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |          |       | 1    | 3.0  |     |
| Inflammation, Acute                     |             |       |       | 2     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |          |       | 1    | 2.0  |     |
| Inflammation, Chronic                   |             |       |       |       |       |       |       |       | 1     |       |       |       | 1     | 1     |       | 1     |       | 1     | 1     |       |          |       | 17   | 1.1  |     |
| Mineralization                          |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |          | 1     | 2    | 2.0  |     |
| Necrosis                                |             |       |       | 2     |       | 2     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |          |       | 2    | 2.0  |     |
| Artery, Inflammation, Chronic Active    |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       | 2     |       |       |          |       | 1    | 2.0  |     |
| Artery, Mineralization                  |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |          |       | 1    | 1.0  |     |
| Artery, Necrosis                        |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       | 2     |       |       |          |       | 1    | 2.0  |     |
| Salivary Glands                         | +           | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +        | +     | 50   |      |     |
| Infiltration Cellular, Mononuclear Cell | 1           | 1     | 1     |       |       | 1     | 1     | 1     | 1     | 1     |       |       | 1     | 1     | 1     | 1     | 1     | 1     | 1     | 1     | 1        | 1     | 38   | 1.1  |     |
| Inflammation, Acute                     |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |          |       | 1    | 2.0  |     |
| Mineralization                          |             |       |       |       |       |       |       |       | 1     |       |       |       |       |       |       | 1     |       |       |       |       |          |       | 5    | 1.2  |     |

\* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

X .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

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Experiment Number: 20209 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

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 Pentabromodiphenyl oxide (technical) (DE 71)  
 CAS Number: 32534-81-9

Date Report Requested: 09/10/2014  
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 Lab: SRI

| B6C3F1 MICE MALE<br>3 MG/KG | DAY ON TEST |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       | * TOTALS |
|-----------------------------|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------|
|                             | 0731        | 0733  | 0730  | 0564  | 0770  | 0775  | 0567  | 0674  | 0771  | 0776  | 0666  | 0776  | 0776  | 0474  | 0774  | 0575  | 0777  | 0777  | 0777  | 0272  | 0373  | 0373  | 0071  |          |
| ANIMAL ID                   | 00076       | 00077 | 00078 | 00079 | 00080 | 00081 | 00082 | 00083 | 00084 | 00085 | 00086 | 00087 | 00088 | 00089 | 00090 | 00091 | 00092 | 00093 | 00094 | 00095 | 00096 | 00097 | 00098 |          |

|   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |        |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--------|
| Necrosis                                  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1 1.0  |
| Vacuolization Cytoplasmic, Macrovesicular |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1 2.0  |
|   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |        |
| Stomach, Forestomach                      | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50     |
| Cyst                                      |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1      |
| Erosion                                   |   |   |   |   |   |   |   |   |   |   |   | 2 |   |   |   |   |   |   |   |   |   |   |   | 5 2.2  |
| Inflammation                              |   |   | 2 |   |   |   |   | 2 | 1 |   | 2 |   |   | 2 |   |   |   |   |   |   |   |   |   | 18 1.6 |
| Ulcer                                     |   |   |   |   |   |   |   | 2 |   |   |   |   |   | 1 |   |   |   |   |   |   |   |   |   | 8 1.9  |
| Epithelium, Hyperplasia                   |   |   |   | 1 |   |   |   | 1 | 2 |   | 4 |   | 2 | 3 |   |   |   |   |   |   |   |   |   | 19 2.2 |
|   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |        |
| Stomach, Glandular                        | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | 48     |
| Fibrosis                                  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1 1.0  |
| Inflammation                              |   |   |   |   |   |   |   |   |   |   |   |   |   | 1 |   |   |   |   |   |   |   |   |   | 1 1.0  |
| Inflammation, Acute                       |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1 1.0  |
| Mineralization                            |   |   |   |   |   |   |   |   |   |   | 2 |   | 2 |   | 2 |   |   |   |   | 1 |   |   |   | 5 1.6  |
| Glands, Ectasia, Focal                    |   |   |   |   |   |   |   |   |   |   |   |   |   | 1 |   |   |   |   |   |   |   |   |   | 1 1.0  |
|   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |        |
| Tooth Malformation                        |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1 4.0  |

**CARDIOVASCULAR SYSTEM**

|                     |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |        |
|---------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--------|
| Blood Vessel        | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49     |
| Heart               | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50     |
| Cardiomyopathy      | 1 |   | 1 |   | 1 |   |   |   |   | 1 |   |   | 1 |   |   |   |   |   | 2 |   |   |   |   | 10 1.1 |
| Inflammation, Acute |   |   |   | 2 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1 2.0  |
| Thrombosis          |   |   |   | 4 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1 4.0  |

**ENDOCRINE SYSTEM**

\* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade  
 + .. Tissue examined microscopically  
 X .. Lesion present  
 I .. Insufficient tissue  
 M .. Missing tissue  
 A .. Autolysis precludes evaluation  
 BLANK .. Not examined microscopically  
 1-4 .. Lesion qualified as:  
 1) Minimal 3) Moderate  
 2) Mild 4) Marked

Experiment Number: 20209 - 04

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: MICE/B6C3F1

**P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL**

Pentabromodiphenyl oxide (technical) (DE 71)

CAS Number: 32534-81-9

Date Report Requested: 09/10/2014

Time Report Requested: 08:48:43

First Dose M/F: 02/25/08 / 02/25/08

Lab: SRI

| B6C3F1 MICE MALE<br>3 MG/KG       | DAY ON TEST |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       | * TOTALS |       |       |       |        |        |
|-----------------------------------|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------|-------|-------|-------|--------|--------|
|                                   | 0731        | 0733  | 0730  | 0564  | 0770  | 0775  | 0577  | 0684  | 0771  | 0776  | 0668  | 0663  | 0777  | 0772  | 0442  | 0722  | 0554  | 0773  | 0773  | 0777  |          | 0667  | 0776  |       |        |        |
| ANIMAL ID                         | 00076       | 00077 | 00078 | 00079 | 00080 | 00081 | 00082 | 00083 | 00084 | 00085 | 00086 | 00087 | 00088 | 00089 | 00090 | 00091 | 00092 | 00093 | 00094 | 00095 | 00096    | 00097 | 00098 | 00099 | 00100  |        |
| Adrenal Cortex                    | +           | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +        | +     | +     | +     | 50     |        |
| Accessory Adrenal Cortical Nodule |             |       |       |       |       |       |       |       |       |       |       |       |       |       | 2     | 2     |       |       |       |       |          |       |       |       | 2 2.0  |        |
| Hypertrophy, Focal                |             | 1     |       |       |       |       |       |       | 1     |       |       |       |       |       |       |       | 2     | 2     |       | 1     | 1        | 1     |       |       | 10 1.2 |        |
| Capsule, Hyperplasia              | 2           | 2     | 2     | 2     | 2     | 2     | 2     | 1     | 1     | 2     |       | 2     | 1     | 2     | 2     | 2     |       | 2     | 2     | 1     | 2        | 2     | 2     | 2     | 41 1.8 |        |
| Adrenal Medulla                   | +           | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +        | +     | +     | +     | 50     |        |
| Hyperplasia                       |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |          |       |       |       | 1 2.0  |        |
| Islets, Pancreatic                | +           | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +        | +     | +     | +     | 50     |        |
| Hyperplasia                       |             |       | 3     | 1     |       |       | 2     |       |       |       | 1     |       | 1     |       | 4     | 2     | 1     |       | 3     |       | 1        |       |       | 2     | 25 1.6 |        |
| Parathyroid Gland                 | M           | +     | +     | +     | +     | M     | +     | +     | +     | +     | +     | M     | +     | +     | +     | +     | +     | M     | +     | +     | +        | +     | +     | +     | 43     |        |
| Cyst                              |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |          |       |       |       | 1 2.0  |        |
| Pituitary Gland                   | +           | +     | +     | +     | +     | +     | +     | +     | +     | +     | M     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +        | +     | I     | M     | 43     |        |
| Pars Distalis, Cyst               |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       | 2     |       |       |       |       |          |       | 2     |       | 2 2.0  |        |
| Pars Distalis, Hyperplasia, Focal |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |          |       |       |       | 1 2.0  |        |
| Thyroid Gland                     | +           | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +        | +     | +     | +     | 49     |        |
| Hypertrophy                       |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       | 1     |       |       |       |       |          |       |       |       | 1 1.0  |        |
| Follicle, Degeneration            |             | 1     | 3     | 1     |       | 2     | 1     |       | 2     | 1     |       | 2     | 1     |       |       |       | 2     | 2     | 1     |       |          |       | 1     | 1     | 1      | 19 1.6 |
| Follicle, Degeneration, Focal     |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |          |       |       |       | 1 2.0  |        |
| Follicle, Hypertrophy             | 2           | 2     |       |       | 2     | 1     | 2     |       |       | 1     |       | 1     |       | 1     |       |       | 3     | 1     | 1     | 1     | 1        | 1     | 1     | 1     | 35 1.4 |        |
| <b>GENERAL BODY SYSTEM</b>        |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |          |       |       |       |        |        |
| Tissue NOS                        |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |          |       |       | 1     |        |        |
| Abdominal, Fibrosis               |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |          |       |       | 1 2.0 |        |        |
| Fat, Necrosis                     |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |          |       |       | 1 2.0 |        |        |

\* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

X .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

Experiment Number: 20209 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL  
 Pentabromodiphenyl oxide (technical) (DE 71)  
 CAS Number: 32534-81-9

Date Report Requested: 09/10/2014  
 Time Report Requested: 08:48:43  
 First Dose M/F: 02/25/08 / 02/25/08  
 Lab: SRI

| B6C3F1 MICE MALE<br>3 MG/KG | DAY ON TEST | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | * TOTALS |
|-----------------------------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----------|
|                             | ANIMAL ID   | 7 | 7 | 7 | 5 | 7 | 7 | 5 | 6 | 7 | 7 | 6 | 6 | 7 | 7 | 4 | 7 | 5 | 7 | 7 | 7 | 7 | 6 | 7 | 6 | 7 |          |
|                             |             | 3 | 3 | 3 | 6 | 3 | 3 | 5 | 8 | 2 | 3 | 8 | 9 | 3 | 3 | 2 | 2 | 4 | 3 | 3 | 3 | 2 | 3 | 3 | 1 | 3 |          |
|                             |             | 1 | 0 | 0 | 4 | 0 | 0 | 7 | 4 | 9 | 1 | 9 | 8 | 0 | 0 | 8 | 9 | 0 | 0 | 1 | 1 | 9 | 0 | 1 | 4 | 0 |          |
|                             |             | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |          |
|                             |             | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |          |
|                             |             | 7 | 7 | 7 | 7 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 0 |          |
|                             |             | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 |          |

**GENITAL SYSTEM**

|                              |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |           |           |            |
|------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------|-----------|------------|
| Epididymis                   | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | <b>50</b> |           |            |
| Inflammation, Chronic        | 1 | 1 |   |   | 1 |   | 1 | 1 | 1 |   |   | 1 |   |   | 1 |   | 2 | 1 |   |   |   |   |   |   |   |           | <b>28</b> | <b>1.2</b> |
| Preputial Gland              | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | <b>50</b> |           |            |
| Cyst                         |   |   |   | 2 |   |   | 2 |   | 2 | 2 |   | 2 | 2 |   |   |   |   |   | 2 |   | 2 |   |   | 2 |   |           | <b>16</b> | <b>2.0</b> |
| Ectasia                      |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 3 |   |   |   |   |   |   |   |   |           | <b>1</b>  | <b>3.0</b> |
| Fibrosis                     |   |   |   |   |   |   |   |   |   |   |   | 3 |   |   |   |   |   |   |   |   |   |   |   |   |   |           | <b>1</b>  | <b>3.0</b> |
| Inflammation, Chronic        |   |   | 2 |   | 1 | 2 | 1 |   |   | 2 | 1 | 3 | 2 | 2 |   | 1 |   |   | 1 | 2 | 2 |   | 2 | 2 |   |           | <b>28</b> | <b>1.6</b> |
| Inflammation, Chronic Active |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |           | <b>1</b>  | <b>1.0</b> |
| Prostate                     | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | <b>50</b> |           |            |
| Fibrosis                     |   |   |   | 2 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |           | <b>1</b>  | <b>2.0</b> |
| Inflammation, Acute          |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 4 |   |   |           | <b>2</b>  | <b>2.5</b> |
| Inflammation, Chronic        | 1 | 1 | 1 |   |   | 2 | 1 | 1 | 1 |   | 1 |   | 1 | 2 |   |   |   | 2 | 1 | 1 |   |   | 1 |   |   |           | <b>33</b> | <b>1.3</b> |
| Inflammation, Chronic Active |   |   |   | 4 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |           | <b>1</b>  | <b>4.0</b> |
| Necrosis                     |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |           | <b>1</b>  | <b>2.0</b> |
| Seminal Vesicle              | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | <b>50</b> |           |            |
| Dilatation                   |   |   |   |   |   |   | 4 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |           | <b>1</b>  | <b>4.0</b> |
| Hemorrhage                   |   |   |   |   |   |   | 2 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |           | <b>1</b>  | <b>2.0</b> |
| Inflammation, Acute          |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 2 |   |   |   |   |   |   |   |   |   |   |           | <b>1</b>  | <b>2.0</b> |
| Inflammation, Chronic        |   |   | 1 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1 |   |   |   |   |   |   |           | <b>7</b>  | <b>1.0</b> |
| Testes                       | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | <b>50</b> |           |            |
| Abnormal Residual Body       |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |           | <b>1</b>  | <b>1.0</b> |
| Germinal Epithelium, Atrophy |   |   |   |   |   |   |   |   | 2 | 2 | 1 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |           | <b>8</b>  | <b>1.4</b> |

**HEMATOPOIETIC SYSTEM**

\* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade  
 + .. Tissue examined microscopically  
 X .. Lesion present  
 I .. Insufficient tissue  
 M .. Missing tissue  
 A .. Autolysis precludes evaluation  
 BLANK .. Not examined microscopically  
 1-4 .. Lesion qualified as:  
 1) Minimal 3) Moderate  
 2) Mild 4) Marked

| B6C3F1 MICE MALE<br>3 MG/KG                                     | DAY ON TEST | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | * TOTALS                   |   |
|---|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----------------------------|---|
|   | ANIMAL ID   | 7 | 7 | 7 | 5 | 7 | 7 | 5 | 6 | 7 | 7 | 6 | 6 | 7 | 7 | 4 | 7 | 5 | 7 | 7 | 7 | 7 | 6 | 7 |   |                            |   |
|   |             | 3 | 3 | 3 | 6 | 3 | 3 | 5 | 8 | 2 | 3 | 8 | 9 | 3 | 3 | 2 | 2 | 4 | 3 | 3 | 3 | 2 | 3 | 3 | 1 |                            | 3 |
|   |             | 1 | 0 | 0 | 4 | 0 | 0 | 7 | 4 | 9 | 1 | 9 | 8 | 0 | 0 | 8 | 9 | 0 | 0 | 1 | 1 | 9 | 0 | 1 | 4 | 0                          |   |
|   |             | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0                          |   |
|   |             | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1                          |   |
|   |             | 7 | 7 | 7 | 7 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 0                          |   |
|   |             | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0                          |   |
| Bone Marrow   |             | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | <b>50</b>                  |   |
| Lymph Node Iliac, Hyperplasia, Lymphoid                         |             |   |   |   | + |   |   |   | + |   |   |   |   |   |   |   |   | + |   |   |   |   |   |   |   | <b>4</b><br><b>1 4.0</b>   |   |
| Lymph Node, Mandibular Hemorrhage                               | I           | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | <b>49</b><br><b>3 2.7</b>  |   |
| Lymph Node, Mandibular Hyperplasia, Lymphoid                    |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | <b>1 1.0</b>               |   |
| Lymph Node, Mandibular Infiltration Cellular, Polymorphonuclear |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | <b>1 3.0</b>               |   |
| Lymph Node, Mandibular Pigmentation                             |             | 2 | 1 | 1 | 1 | 2 | 1 | 1 | 2 | 1 | 1 | 2 | 3 | 1 | 1 | 1 | 1 | 2 | 1 | 1 | 2 | 1 | 3 | 1 | 2 | <b>48 1.4</b>              |   |
| Lymph Node, Mesenteric Ectasia                                  | M           | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | <b>47</b><br><b>1 3.0</b>  |   |
| Lymph Node, Mesenteric Hemorrhage                               |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | <b>7 2.1</b>               |   |
| Lymph Node, Mesenteric Hyperplasia, Lymphoid                    |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | <b>1 2.0</b>               |   |
| Lymph Node, Mesenteric Infiltration Cellular, Polymorphonuclear |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | <b>1 2.0</b>               |   |
| Lymph Node, Mesenteric Necrosis, Lymphoid                       |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | <b>1 2.0</b>               |   |
| Spleen Hematopoietic Cell Proliferation                         |             | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | A | + | + | + | + | + | + | + | + | <b>47</b><br><b>10 2.2</b> |   |
| Spleen Pigmentation   |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | <b>12 1.4</b>              |   |
| Spleen Capsule, Fibrosis, Focal                                 |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | <b>1 2.0</b>               |   |
| Spleen Capsule, Inflammation, Granulomatous, Focal              |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | <b>1 2.0</b>               |   |
| Spleen Lymphoid Follicle, Atrophy                               |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | <b>2 2.5</b>               |   |
| Spleen Lymphoid Follicle, Hyperplasia                           |             | 1 | 1 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | <b>7 1.4</b>               |   |
| Thymus Atrophy  |             | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | I | + | + | M | + | + | <b>41</b><br><b>28 2.6</b> |   |
| Thymus Cyst   |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | <b>12 2.0</b>              |   |
| Thymus Hyperplasia, Lymphoid                                    |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | <b>2 1.0</b>               |   |

\* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade  
 + .. Tissue examined microscopically  
 X .. Lesion present  
 I .. Insufficient tissue  
 M .. Missing tissue  
 A .. Autolysis precludes evaluation  
 BLANK .. Not examined microscopically  
 1-4 .. Lesion qualified as:  
 1) Minimal 3) Moderate  
 2) Mild 4) Marked

Experiment Number: 20209 - 04

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Pentabromodiphenyl oxide (technical) (DE 71)

CAS Number: 32534-81-9

Date Report Requested: 09/10/2014

Time Report Requested: 08:48:43

First Dose M/F: 02/25/08 / 02/25/08

Lab: SRI

|                         |             |                    |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |              |   |   |   |   |                 |   |   |   |   |   |   |   |   |   |   |   |   |
|-------------------------|-------------|--------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--------------|---|---|---|---|-----------------|---|---|---|---|---|---|---|---|---|---|---|---|
| <b>B6C3F1 MICE MALE</b> | DAY ON TEST | 0                  | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0            | 0 | 0 | 0 | 0 | 0               | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |   |   |   |
|                         |             | 7                  | 7 | 7 | 5 | 7 | 7 | 5 | 6 | 7 | 7 | 6 | 6 | 7 | 7 | 4 | 7 | 5 | 7 | 7 | 7 | 7 | 7 | 6 | 7            | 7 | 6 | 7 | 7 | 7               | 6 | 7 | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 7 |   |   |
|                         |             | 3                  | 3 | 3 | 6 | 3 | 3 | 5 | 8 | 2 | 3 | 8 | 9 | 3 | 3 | 2 | 2 | 4 | 3 | 3 | 3 | 2 | 3 | 3 | 1            | 4 | 3 | 3 | 1 | 3               | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |   |
| <b>3 MG/KG</b>          | ANIMAL ID   | 0                  | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0            | 0 | 0 | 0 | 0 | 0               | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |   |
|                         |             | 0                  | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0            | 0 | 0 | 0 | 0 | 0               | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|                         |             | 0                  | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0            | 0 | 0 | 0 | 0 | 0               | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|                         |             | 7                  | 7 | 7 | 7 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9            | 9 | 9 | 9 | 9 | 9               | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |   |
|                         |             | 6                  | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9            | 0 | 1 | 2 | 3 | 4               | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 |
|                         |             |                    |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |              |   |   |   |   | <b>* TOTALS</b> |   |   |   |   |   |   |   |   |   |   |   |   |
|                         |             | Necrosis, Lymphoid |   |   |   |   |   |   |   |   |   | 3 | 1 |   |   |   |   |   |   |   |   |   |   | 3 | <b>6 2.3</b> |   |   |   |   |                 |   |   |   |   |   |   |   |   |   |   |   |   |

**INTEGUMENTARY SYSTEM**

|   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |   |   |   |    |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--------------|---|---|---|---|---|---|---|---|---|---|----|
| Mammary Gland                           | M | M | M | M | M | M | M | M | + | M | M | M | M | M | M | M | M | M | M | M | M | M | M | M | M | M | M | M | M            | M | M | M | M | M | M | M | M | M | 2 |    |
| Skin                                    | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | +            | + | + | + | + | + | + | + | + | + | + | 50 |
| Fibrosis                                |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | <b>1 2.0</b> |   |   |   |   |   |   |   |   |   |   |    |
| Hyperkeratosis                          |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | <b>3 2.7</b> |   |   |   |   |   |   |   |   |   |   |    |
| Inflammation, Acute                     |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | <b>1 2.0</b> |   |   |   |   |   |   |   |   |   |   |    |
| Inflammation, Chronic                   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | <b>3 1.3</b> |   |   |   |   |   |   |   |   |   |   |    |
| Inflammation, Chronic Active            |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | <b>1 3.0</b> |   |   |   |   |   |   |   |   |   |   |    |
| Ulcer                                   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | <b>1 4.0</b> |   |   |   |   |   |   |   |   |   |   |    |
| Epidermis, Hyperplasia                  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | <b>1 2.0</b> |   |   |   |   |   |   |   |   |   |   |    |
| Lip, Inflammation, Acute                |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | <b>1 1.0</b> |   |   |   |   |   |   |   |   |   |   |    |
| Subcutaneous Tissue, Angiectasis, Focal |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | <b>1 2.0</b> |   |   |   |   |   |   |   |   |   |   |    |

**MUSCULOSKELETAL SYSTEM**

|                                  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |   |   |    |
|----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--------------|---|---|---|---|---|---|---|---|---|----|
| Bone                             | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | +            | + | + | + | + | + | + | + | + | + | 50 |
| Fibro-Osseous Lesion             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | <b>1 1.0</b> |   |   |   |   |   |   |   |   |   |    |
| Tail, Callus                     |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | <b>2 1.0</b> |   |   |   |   |   |   |   |   |   |    |
| Tail, Developmental Malformation |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | <b>3</b>     |   |   |   |   |   |   |   |   |   |    |
| Skeletal Muscle                  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | <b>2</b>     |   |   |   |   |   |   |   |   |   |    |

**NERVOUS SYSTEM**

|   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |   |   |    |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--------------|---|---|---|---|---|---|---|---|---|----|
| Brain                                   | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | +            | + | + | + | + | + | + | + | + | + | 50 |
| Hemorrhage                              |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | <b>2 1.0</b> |   |   |   |   |   |   |   |   |   |    |
| Infiltration Cellular, Mononuclear Cell |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | <b>2 1.0</b> |   |   |   |   |   |   |   |   |   |    |

\* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

X .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked



Experiment Number: 20209 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

**P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL**  
 Pentabromodiphenyl oxide (technical) (DE 71)  
 CAS Number: 32534-81-9

Date Report Requested: 09/10/2014  
 Time Report Requested: 08:48:43  
 First Dose M/F: 02/25/08 / 02/25/08  
 Lab: SRI

| B6C3F1 MICE MALE<br>3 MG/KG | DAY ON TEST | 0731  | 0733  | 0733  | 0564  | 0773  | 0775  | 0684  | 0777  | 0777  | 0666  | 0776  | 0776  | 0477  | 0774  | 0575  | 0777  | 0777  | 0777  | 0272  | 0773  | 0773  | 0676  | 0777  | * TOTALS |
|-----------------------------|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------|
|                             | ANIMAL ID   | 00076 | 00077 | 00078 | 00079 | 00080 | 00081 | 00082 | 00083 | 00084 | 00085 | 00086 | 00087 | 00088 | 00089 | 00090 | 00091 | 00092 | 00093 | 00094 | 00095 | 00096 | 00097 | 00098 |          |

|                               |   |   |     |
|-------------------------------|---|---|-----|
| Metaplasia, Osseous           | 1 | 1 | 1.0 |
| Meninges, Inflammation, Acute | 2 | 1 | 2.0 |
| Meninges, Thrombosis          | 2 | 1 | 2.0 |
| Peripheral Nerve Degeneration | 1 | 1 | 1.0 |
| Spinal Cord                   | 1 |   |     |

**RESPIRATORY SYSTEM**

|                                   |   |       |    |     |
|-----------------------------------|---|-------|----|-----|
| Lung                              | +       | 50    |    |     |
| Hemorrhage                        |   | 2     | 6  | 2.0 |
| Infiltration Cellular, Histiocyte |   | 3     | 11 | 1.8 |
| Inflammation, Acute               |   |       | 1  | 1.0 |
| Mineralization                    |   |       | 2  | 1.0 |
| Alveolar Epithelium, Hyperplasia  |   | 3     | 6  | 3.2 |
| Nose                              | + + + + + + + + + + + + + + A + + + + + + + + + + | 48    |    |     |
| Foreign Body                      |   | 2     | 7  | 1.4 |
| Inflammation, Acute               |   | 1 1 3 | 12 | 1.6 |
| Mineralization                    |   | 1     | 2  | 1.0 |
| Pleura                            |   | +     | 1  |     |
| Trachea Hemorrhage                | + + + + + + + + + + M + + + + + + + + + + M +     | 48    | 1  | 2.0 |

**SPECIAL SENSES SYSTEM**

|     |   |    |  |  |
|-----|---|----|--|--|
| Eye | + + + + + + + + + + + + + + + A + + + + + + + + + + | 47 |  |  |
|-----|---|----|--|--|

\* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade  
 + .. Tissue examined microscopically M .. Missing tissue  
 X .. Lesion present A .. Autolysis precludes evaluation  
 I .. Insufficient tissue BLANK .. Not examined microscopically  
 1-4 .. Lesion qualified as:  
 1) Minimal 3) Moderate  
 2) Mild 4) Marked

Experiment Number: 20209 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

**P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL**  
 Pentabromodiphenyl oxide (technical) (DE 71)  
 CAS Number: 32534-81-9

Date Report Requested: 09/10/2014  
 Time Report Requested: 08:48:43  
 First Dose M/F: 02/25/08 / 02/25/08  
 Lab: SRI

| B6C3F1 MICE MALE                        | DAY ON TEST |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       | * TOTALS |   |       |       |       |       |
|---|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------|---|-------|-------|-------|-------|
|   | 0731        | 0733  | 0730  | 0564  | 0773  | 0775  | 0567  | 0678  | 0779  | 0771  | 0666  | 0667  | 0774  | 0773  | 0428  | 0722  | 0544  | 0733  | 0733  | 0733  | 0722  |          |   | 0733  | 0776  | 0777  | 0667  |
| 3 MG/KG                                 | ANIMAL ID   |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       | * TOTALS |   |       |       |       |       |
|   | 00076       | 00077 | 00078 | 00079 | 00080 | 00081 | 00082 | 00083 | 00084 | 00085 | 00086 | 00087 | 00088 | 00089 | 00090 | 00091 | 00092 | 00093 | 00094 | 00095 | 00096 |          |   | 00097 | 00098 | 00099 | 00100 |
| Cornea, Inflammation, Chronic Active    |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |          |   | 1     | 2.0   |       |       |
| Harderian Gland Hyperplasia             |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |          |   | 49    | 4.0   |       |       |
| <b>URINARY SYSTEM</b>                   |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |          |   |       |       |       |       |
| Kidney                                  |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |          |   | 50    |       |       |       |
| Casts Protein                           |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |          |   | 2     | 1 2.0 |       |       |
| Hydronephrosis                          |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |          |   | 2     | 1 2.0 |       |       |
| Hyperplasia, Lymphoid                   |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |          |   | 2     | 1 2.0 |       |       |
| Infarct                                 |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |          |   |       | 1 2.0 |       |       |
| Infiltration Cellular, Mononuclear Cell | 1           | 1     | 1     |       | 1     | 1     |       | 1     |       | 1     | 1     | 2     | 1     | 1     |       | 1     | 1     | 1     |       | 1     | 1     | 1        |   |       | 1     | 41    | 1.0   |
| Inflammation, Acute                     |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |          |   | 3     | 1 3.0 |       |       |
| Metaplasia, Osseous                     |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |          |   |       | 2 1.5 |       |       |
| Mineralization                          |             | 1     |       | 2     | 1     | 2     | 1     |       | 1     |       | 1     | 1     | 2     |       |       | 1     | 1     | 1     |       | 1     | 1     | 1        |   | 1     | 1     | 32    | 1.2   |
| Nephropathy                             | 1           | 1     | 1     | 3     | 1     | 2     | 2     |       | 1     | 1     | 4     | 4     | 1     | 1     |       | 1     |       | 2     | 1     | 2     | 2     | 1        | 1 | 1     | 1     | 45    | 1.7   |
| Interstitial, Inflammation, Chronic     |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |          |   | 2     | 1 2.0 |       |       |
| Papilla, Inflammation, Acute            |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |          |   | 2     | 2 1.5 |       |       |
| Papilla, Necrosis                       |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |          |   | 1     | 6 2.7 |       |       |
| Papilla, Renal Tubule, Necrosis         |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |          |   | 2     | 1 2.0 |       |       |
| Renal Tubule, Cyst                      |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |          |   |       | 2     |       |       |
| Renal Tubule, Dilatation                |             |       |       | 1     | 1     | 1     |       |       | 1     | 1     |       |       |       |       | 1     |       | 1     | 2     |       |       | 1     |          |   |       | 1     | 14    | 1.1   |
| Renal Tubule, Hyperplasia               |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |          |   | 1     | 1 1.0 |       |       |
| Urethra                                 |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |          |   |       |       |       |       |
| Angiectasis                             |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |          |   |       | 1 4.0 |       |       |
| Inflammation, Acute                     |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |          |   | 3     | 2 2.0 |       |       |
| Necrosis                                |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |          |   |       | 1 1.0 |       |       |
| Bulbourethral Gland, Cyst               |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |          |   |       | 1 4.0 |       |       |
| Bulbourethral Gland, Inflammation       |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |          |   |       | 1 2.0 |       |       |

\* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade  
 + .. Tissue examined microscopically  
 X .. Lesion present  
 I .. Insufficient tissue

M .. Missing tissue  
 A .. Autolysis precludes evaluation  
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1-4 .. Lesion qualified as:  
 1) Minimal 3) Moderate  
 2) Mild 4) Marked

Experiment Number: 20209 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

**P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL**  
 Pentabromodiphenyl oxide (technical) (DE 71)  
 CAS Number: 32534-81-9

Date Report Requested: 09/10/2014  
 Time Report Requested: 08:48:43  
 First Dose M/F: 02/25/08 / 02/25/08  
 Lab: SRI

| B6C3F1 MICE MALE<br>3 MG/KG   |  | DAY ON TEST | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | * TOTALS |    |       |  |
|-------------------------------|--|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----------|----|-------|--|
|                               |  | 7           | 7 | 7 | 5 | 7 | 7 | 5 | 6 | 7 | 7 | 6 | 6 | 7 | 7 | 4 | 7 | 5 | 7 | 7 | 7 | 7 | 7 | 6 |          | 7  |       |  |
|                               |  | ANIMAL ID   | 3 | 3 | 3 | 6 | 3 | 3 | 5 | 8 | 2 | 3 | 8 | 9 | 3 | 3 | 2 | 2 | 4 | 3 | 3 | 3 | 2 | 3 | 3        |    |       |  |
|                               |  |             | 1 | 0 | 0 | 4 | 0 | 0 | 7 | 4 | 9 | 1 | 9 | 8 | 0 | 0 | 8 | 9 | 0 | 0 | 1 | 1 | 9 | 0 | 0        |    |       |  |
|                               |  |             | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0        |    |       |  |
|                               |  |             | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0        |    |       |  |
|                               |  |             | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0        |    |       |  |
|                               |  |             | 7 | 7 | 7 | 7 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9        |    |       |  |
|                               |  |             | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8        | 9  | 0     |  |
|                               |  |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |          |    |       |  |
| Bulbourethral Gland, Necrosis |  |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |          | 3  | 2 3.0 |  |
| Urinary Bladder               |  |             | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | +        | 49 |       |  |
| Fibrosis                      |  |             |   |   |   | 2 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |          |    | 1 2.0 |  |
| Hemorrhage                    |  |             |   |   |   |   |   |   |   |   |   |   |   |   |   | 2 |   |   |   |   |   |   |   |   |          |    | 1 2.0 |  |
| Inflammation, Acute           |  |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 2 |   |          |    | 1 2.0 |  |
| Inflammation, Chronic Active  |  |             |   |   |   | 1 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |          |    | 1 1.0 |  |
| Necrosis                      |  |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 2 |   |          |    | 3 1.7 |  |

\* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade  
 + .. Tissue examined microscopically  
 X .. Lesion present  
 I .. Insufficient tissue  
 M .. Missing tissue  
 A .. Autolysis precludes evaluation  
 BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:  
 1) Minimal 3) Moderate  
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Experiment Number: 20209 - 04

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Pentabromodiphenyl oxide (technical) (DE 71)

CAS Number: 32534-81-9

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First Dose M/F: 02/25/08 / 02/25/08

Lab: SRI

|                         |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |                            |   |   |   |   |   |   |   |   |   |   |
|-------------------------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----------------------------|---|---|---|---|---|---|---|---|---|---|
| <b>B6C3F1 MICE MALE</b> | DAY ON TEST | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0                          | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|                         |             | 4 | 6 | 5 | 5 | 7 | 7 | 6 | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 6 | 7 | 7 | 7 | 6 | 7 | 7                          | 6 | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 7 |   |
|                         |             | 3 | 1 | 8 | 5 | 2 | 1 | 8 | 3 | 1 | 3 | 2 | 3 | 0 | 2 | 1 | 3 | 3 | 5 | 2 | 1 | 2 | 2 | 2 | 2 | 1 | 2 | 2                          | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |   |
|                         | 1           | 2 | 1 | 1 | 9 | 5 | 4 | 0 | 8 | 0 | 9 | 0 | 8 | 9 | 6 | 0 | 0 | 6 | 9 | 5 | 9 | 9 | 9 | 9 | 9 | 5 | 9 | 9                          | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |   |   |
| <b>30 MG/KG</b>         | ANIMAL ID   | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0                          | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |   |
|                         |             | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0                          | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |   |
|                         |             | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1                          | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |   |
|                         |             | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0                          | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|                         |             | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 2 | 2 | 2 | 2 | 2                          | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
|                         |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | <b>males<br/>(cont...)</b> |   |   |   |   |   |   |   |   |   |   |

**ALIMENTARY SYSTEM**

|   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Esophagus<br>Muscularis, Degeneration   | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |   |
| Gallbladder<br>Cyst   | A | + | A | + | + | A | + | + | + | + | M | + | A | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + |   |   |   |
| Intestine Large, Cecum  | A | + | A | + | + | A | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |   |
| Intestine Large, Colon  | A | + | + | + | + | A | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |   |
| Intestine Large, Rectum   | A | + | + | + | + | A | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |   |
| Intestine Small, Duodenum<br>Infiltration Cellular, Plasma Cell<br>Inflammation | A | + | + | + | + | A | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |   |
| Intestine Small, Ileum  | A | + | + | + | + | A | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + |   |
| Intestine Small, Jejunum  | A | + | A | + | + | A | + | + | + | + | M | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |   |
| Liver<br>Angiectasis  | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |   |
| Basophilic Focus, Multiple  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Clear Cell Focus  |   |   | X | X |   |   |   |   |   |   |   | X |   |   | X | X |   | X | X |   | X | X |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Clear Cell Focus, Multiple  |   |   |   |   |   |   |   |   |   | X |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Eosinophilic Focus  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | X |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Eosinophilic Focus, Multiple  |   |   |   | X |   |   |   |   |   |   |   |   |   | X | X |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | X |   |   |
| Fatty Change  | 3 | 2 | 1 | 3 |   |   |   |   | 2 |   |   | 1 |   |   |   |   |   |   |   |   |   |   |   |   | 3 | 2 |   |   |   |   |   |   |   |   |   |   |   | 1 |
| Hematopoietic Cell Proliferation  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |

\* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

X .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

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Lab: SRI

| B6C3F1 MICE MALE<br>30 MG/KG            | DAY ON TEST |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | males<br>(cont...) |
|---|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--------------------|
|   | 0           | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |   |                    |
|   | 4           | 6 | 5 | 5 | 7 | 7 | 6 | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 6 | 7 | 7 | 6 | 7 | 7 |   |                    |
| ANIMAL ID                               | 3           | 1 | 8 | 5 | 2 | 1 | 8 | 3 | 1 | 3 | 2 | 3 | 0 | 2 | 1 | 3 | 3 | 5 | 2 | 1 | 2 | 2 | 2 | 2 |   |                    |
|   | 1           | 2 | 1 | 1 | 9 | 5 | 4 | 0 | 8 | 0 | 9 | 0 | 8 | 9 | 6 | 0 | 0 | 6 | 9 | 5 | 9 | 9 | 9 | 9 |   |                    |
|   | 0           | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |   |                    |
|   | 0           | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |   |                    |
|   | 1           | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |   |                    |
|   | 0           | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 |   |                    |
|   | 1           | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 |                    |
| Hemorrhage                              |             | 1 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |                    |
| Inflammation, Chronic                   |             | 1 |   |   |   |   |   | 1 |   |   | 1 | 2 |   | 1 |   | 1 |   | 1 | 1 |   |   | 2 | 1 | 2 |   |                    |
| Necrosis, Focal                         |             |   |   |   |   |   |   | 1 |   |   |   |   | 1 |   |   | 1 | 1 |   | 1 |   |   | 1 |   |   |   |                    |
| Centrilobular, Hepatocyte, Hypertrophy  | 2           | 3 | 3 | 4 |   |   | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 2 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |   |                    |
| Kupffer Cell, Pigmentation              |             |   | 2 |   | 2 |   | 2 | 1 | 1 | 1 | 2 | 1 | 2 | 2 | 1 |   | 2 | 2 |   | 1 | 2 |   | 1 | 2 | 1 |                    |
| Mesentery                               | +           |   |   |   |   |   |   |   | + |   |   |   |   |   |   |   |   | + |   |   |   |   |   | + |   |                    |
| Artery, Inflammation, Chronic Active    |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |                    |
| Fat, Necrosis                           |             |   |   |   |   |   |   |   | 2 |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1 |   |                    |
| Pancreas                                | +           | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |   |                    |
| Atrophy                                 |             | 1 |   |   | 2 |   |   |   |   |   | 2 |   |   |   |   |   |   |   |   | 2 | 1 |   |   |   |   |                    |
| Inflammation, Chronic                   |             |   | 1 | 1 | 2 |   |   | 1 | 1 | 1 | 1 |   |   |   |   | 1 | 2 | 2 | 1 |   |   |   | 1 |   |   |                    |
| Acinus, Hyperplasia, Focal              |             |   |   |   |   |   |   |   |   |   |   |   | 1 |   |   |   |   |   |   |   |   |   |   |   |   |                    |
| Salivary Glands                         | +           | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |   |                    |
| Infiltration Cellular, Mononuclear Cell |             | 1 |   |   | 1 |   | 1 | 1 |   | 1 | 1 | 1 |   | 2 | 1 |   | 1 | 1 | 1 |   |   |   | 1 | 1 | 1 |                    |
| Mineralization                          |             |   |   |   |   |   |   |   |   |   |   |   |   |   | 1 |   |   |   |   |   |   |   |   |   |   |                    |
| Stomach, Forestomach                    | +           | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |   |                    |
| Edema                                   |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |                    |
| Erosion                                 |             |   |   |   |   | 4 |   |   |   |   |   |   |   | 1 |   |   |   |   |   |   | 2 |   |   | 4 |   |                    |
| Foreign Body                            |             |   |   |   |   |   |   |   |   | X |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |                    |
| Inflammation                            |             |   |   |   | 2 |   | 2 | 2 | 2 | 1 | 1 |   | 1 | 2 | 2 | 1 |   | 2 |   | 1 | 1 | 2 | 2 | 2 | 1 |                    |
| Necrosis                                |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |                    |
| Ulcer                                   |             |   |   |   |   |   | 2 | 2 |   |   |   |   |   |   |   |   |   | 2 |   | 2 |   | 3 | 3 |   |   |                    |
| Epithelium, Hyperplasia                 |             | 1 |   |   | 2 | 2 | 2 | 2 | 3 | 1 | 2 |   | 3 | 3 | 3 | 2 | 1 | 4 |   | 2 | 3 | 3 | 4 | 3 | 2 |                    |
| Serosa, Fibrosis                        |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |                    |
| Stomach, Glandular                      | A           | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |   |                    |
| Dilatation                              |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 2 |   |                    |

\* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

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X .. Lesion present

I .. Insufficient tissue

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|--|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------|--------------------|
|  |             | 4 | 6 | 5 | 5 | 7 | 7 | 6 | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 6 | 7 | 7 | 7 | 6 | 7 | 7 | 6 | 7 | 7 |           |                    |
|  |             | 3 | 1 | 8 | 5 | 2 | 1 | 8 | 3 | 1 | 3 | 2 | 3 | 0 | 2 | 1 | 3 | 3 | 5 | 2 | 1 | 2 | 2 | 8 | 2 | 2 | 2 |           |                    |
|  |             | 1 | 2 | 1 | 1 | 9 | 5 | 4 | 0 | 0 | 0 | 9 | 0 | 8 | 9 | 6 | 0 | 0 | 6 | 9 | 5 | 9 | 9 | 4 | 9 | 9 | 9 |           |                    |
|  |             | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |           |                    |
|  |             | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |           |                    |
|  |             | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |           |                    |
|  |             | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |           |                    |
|  |             | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 5 |           |                    |
| Islets, Pancreatic<br>Hyperplasia                      |             | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |   |           |                    |
|  |             | 1 |   | 1 | 2 | 2 | 1 |   |   |   |   | 1 | 2 |   | 1 |   | 1 |   |   | 2 | 2 | 3 |   |   |   |   |   |           |                    |
| Parathyroid Gland<br>Cyst                              |             | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |   |           |                    |
|  |             |   |   |   | 2 | 2 |   |   | 2 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |           |                    |
| Pituitary Gland<br>Pars Distalis, Hyperplasia, Focal   |             | + | I | + | I | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |   |           |                    |
|  |             |   |   |   |   |   |   |   | 1 |   |   |   |   |   |   |   |   |   |   |   |   |   | 1 |   |   |   |   |           |                    |
| Thyroid Gland<br>C-cell, Hyperplasia<br>Follicle, Cyst |             | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |   | 2         |                    |
| Follicle, Degeneration<br>Follicle, Hypertrophy        |             |   |   |   | 1 |   | 2 |   |   | 1 |   |   |   |   | 1 | 3 | 1 | 1 |   | 1 |   |   |   |   |   |   |   |           |                    |
|  |             | 2 |   | 1 |   | 2 | 2 | 2 | 1 | 1 | 1 | 3 | 2 | 3 | 2 | 3 | 2 | 2 | 3 | 2 |   |   | 3 | 3 | 2 | 2 | 2 |           |                    |

GENERAL BODY SYSTEM

NONE

GENITAL SYSTEM

Coagulating Gland

+

Epididymis  
Granuloma Sperm  
Inflammation, Chronic

+ + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |

1  |  | 2 |  |  |  |  | 1 | 1 |  | 1 |  | 1 |  | 1 | 1 | 2 | 1 |  |  |  |  | 1 | 1 | 1 |

Penis

Preputial Gland  
Cyst

+ + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |

|  | 2 |  |  |  |  |  |  |  |  |  |  |  |  |  | 2 |  |  |  |  | 2 |  |  |  |  |

\* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade  
 + .. Tissue examined microscopically  
 X .. Lesion present  
 I .. Insufficient tissue  
 M .. Missing tissue  
 A .. Autolysis precludes evaluation  
 BLANK .. Not examined microscopically  
 1-4 .. Lesion qualified as:  
 1) Minimal 3) Moderate  
 2) Mild 4) Marked

Experiment Number: 20209 - 04

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: MICE/B6C3F1

## P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Pentabromodiphenyl oxide (technical) (DE 71)

CAS Number: 32534-81-9

Date Report Requested: 09/10/2014

Time Report Requested: 08:48:43

First Dose M/F: 02/25/08 / 02/25/08

Lab: SRI

| B6C3F1 MICE MALE<br>30 MG/KG | DAY ON TEST      |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | males<br>(cont...) |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |   |   |  |
|------------------------------|------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|--------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|---|---|--|
|                              | 0<br>4<br>3<br>1 | 0<br>6<br>1<br>2      | 0<br>5<br>8<br>1      | 0<br>5<br>2<br>1      | 0<br>7<br>1<br>9      | 0<br>7<br>8<br>5      | 0<br>6<br>3<br>4      | 0<br>7<br>8<br>0      | 0<br>6<br>3<br>0      | 0<br>7<br>1<br>8      | 0<br>7<br>3<br>0      | 0<br>7<br>2<br>9      | 0<br>7<br>3<br>0      | 0<br>7<br>0<br>8      | 0<br>7<br>1<br>9      | 0<br>6<br>3<br>6      | 0<br>7<br>3<br>0      | 0<br>6<br>5<br>6      | 0<br>7<br>2<br>9      | 0<br>7<br>1<br>5      | 0<br>2<br>2<br>9      | 0<br>7<br>2<br>9      | 0<br>6<br>8<br>4      | 0<br>7<br>2<br>9      | 0<br>6<br>2<br>9      |                    | 0<br>7<br>2<br>9      |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |   |   |  |
|                              | ANIMAL ID        | 0<br>0<br>1<br>0<br>1 | 0<br>0<br>1<br>0<br>2 | 0<br>0<br>1<br>0<br>3 | 0<br>0<br>1<br>0<br>4 | 0<br>0<br>1<br>0<br>5 | 0<br>0<br>1<br>0<br>6 | 0<br>0<br>1<br>0<br>7 | 0<br>0<br>1<br>0<br>8 | 0<br>0<br>1<br>0<br>9 | 0<br>0<br>1<br>0<br>0 | 0<br>0<br>1<br>0<br>1 | 0<br>0<br>1<br>0<br>2 | 0<br>0<br>1<br>0<br>3 | 0<br>0<br>1<br>0<br>4 | 0<br>0<br>1<br>0<br>5 | 0<br>0<br>1<br>0<br>6 | 0<br>0<br>1<br>0<br>7 | 0<br>0<br>1<br>0<br>8 | 0<br>0<br>1<br>0<br>9 | 0<br>0<br>1<br>0<br>0 | 0<br>0<br>1<br>0<br>1 | 0<br>0<br>1<br>0<br>2 | 0<br>0<br>1<br>0<br>3 | 0<br>0<br>1<br>0<br>4 |                    | 0<br>0<br>1<br>0<br>5 | 0<br>0<br>1<br>0<br>6 | 0<br>0<br>2<br>0<br>7 | 0<br>0<br>2<br>0<br>8 | 0<br>0<br>2<br>0<br>9 | 0<br>0<br>2<br>0<br>0 | 0<br>0<br>2<br>0<br>1 | 0<br>0<br>2<br>0<br>2 | 0<br>0<br>2<br>0<br>3 | 0<br>0<br>2<br>0<br>4 | 0<br>0<br>2<br>0<br>5 |   |   |  |
| Inflammation, Chronic        |                  | 2                     | 1                     |                       | 2                     | 2                     | 2                     |                       |                       | 2                     | 2                     | 1                     |                       | 1                     |                       |                       |                       |                       |                       | 1                     | 3                     |                       | 2                     |                       |                       |                    |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |   |   |  |
| Inflammation, Chronic Active |                  |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                    |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |   |   |  |
| Necrosis                     |                  |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                    |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |   |   |  |
| Prostate                     | +                | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                  | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | + | + |  |
| Atrophy                      |                  |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                    |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |   |   |  |
| Inflammation, Acute          |                  |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                    |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |   |   |  |
| Inflammation, Chronic        |                  |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                    |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |   |   |  |
| Epithelium, Hyperplasia      |                  |                       | 1                     |                       |                       | 2                     | 1                     |                       |                       |                       | 1                     | 1                     |                       |                       | 1                     |                       | 1                     |                       | 2                     | 2                     |                       | 2                     |                       | 2                     |                       | 2                  | 1                     | 1                     |                       |                       |                       |                       |                       |                       |                       |                       |                       |   |   |  |
| Seminal Vesicle              | +                | +                     | +                     | +                     | +                     | A                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                  | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | + | + |  |
| Atrophy                      |                  |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                    |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |   |   |  |
| Hemorrhage                   |                  |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                    |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |   |   |  |
| Inflammation, Chronic        |                  |                       |                       |                       |                       | 1                     |                       |                       |                       |                       |                       | 1                     |                       |                       | 1                     |                       |                       | 1                     |                       |                       |                       |                       |                       |                       |                       |                    |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |   |   |  |
| Testes                       | +                | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                  | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | + | + |  |
| Abnormal Residual Body       |                  |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                    |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |   |   |  |
| Giant Cell                   |                  |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                    |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |   |   |  |
| Germinal Epithelium, Atrophy |                  |                       |                       |                       |                       | 2                     |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                    |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |   |   |  |

## HEMATOPOIETIC SYSTEM

|                        |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |
|------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|
| Bone Marrow            | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |  |
| Lymph Node             | + |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |
| Pigmentation           |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |
| Inguinal, Pigmentation |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |
| Lymph Node, Mandibular | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |  |
| Atrophy                |   |   |   |   |   | 2 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |

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X .. Lesion present

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1-4 .. Lesion qualified as:

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| B6C3F1 MICE MALE<br>30 MG/KG       | DAY ON TEST      |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  | ANIMAL ID | males<br>(cont...) |
|------------------------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|-----------|--------------------|
|                                    | 0<br>4<br>3<br>1 | 0<br>6<br>1<br>2 | 0<br>5<br>8<br>1 | 0<br>5<br>2<br>1 | 0<br>7<br>1<br>9 | 0<br>7<br>8<br>5 | 0<br>6<br>3<br>4 | 0<br>7<br>8<br>0 | 0<br>6<br>1<br>8 | 0<br>7<br>3<br>0 | 0<br>7<br>2<br>9 | 0<br>7<br>3<br>0 | 0<br>7<br>0<br>8 | 0<br>7<br>2<br>9 | 0<br>7<br>1<br>6 | 0<br>7<br>3<br>0 | 0<br>6<br>3<br>0 | 0<br>6<br>5<br>6 | 0<br>7<br>2<br>9 | 0<br>7<br>1<br>5 | 0<br>7<br>2<br>9 | 0<br>7<br>2<br>9 | 0<br>6<br>8<br>4 | 0<br>7<br>2<br>9 |           |                    |
| Pigmentation                       | 1                | 2                | 2                | 1                | 2                | 2                | 1                | 1                | 1                | 1                | 2                | 1                | 2                | 1                | 2                | 1                | 2                | 2                | 1                | 2                | 1                |                  | 2                | 2                | 1         |                    |
| Lymph Node, Mesenteric             | +                | +                | +                | +                | M                | A                | +                | +                | +                | +                | +                | +                | A                | +                | +                | M                | +                | +                | +                | +                | +                | +                | +                | +                |           |                    |
| Angiectasis                        |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |           |                    |
| Congestion                         |                  |                  |                  |                  |                  |                  |                  |                  |                  | 1                |                  |                  |                  |                  |                  |                  |                  |                  | 1                |                  |                  |                  |                  |                  |           |                    |
| Ectasia                            |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |           |                    |
| Hematopoietic Cell Proliferation   |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |           |                    |
| Hemorrhage                         |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  | 2                |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |           |                    |
| Hyperplasia, Lymphoid              |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |           |                    |
| Hyperplasia, Plasma Cell           |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  | 2                |                  |                  |                  |                  |                  |                  |           |                    |
| Pigmentation                       |                  |                  |                  |                  |                  |                  |                  |                  | 1                |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |           |                    |
| Spleen                             | A                | +                | +                | +                | +                | A                | M                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                |                  |           |                    |
| Hematopoietic Cell Proliferation   |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  | 1                |                  |                  |                  |                  |                  |                  | 4                |                  |                  |                  | 2                | 2                |           |                    |
| Pigmentation                       |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |           |                    |
| Lymphoid Follicle, Atrophy         |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  | 2                |                  |                  |                  |                  |                  |                  |                  |                  | 4                |                  |                  |                  | 1                |           |                    |
| Lymphoid Follicle, Hyperplasia     |                  |                  |                  |                  |                  |                  |                  | 1                |                  | 2                |                  |                  |                  |                  |                  |                  |                  | 2                |                  |                  | 2                |                  | 1                |                  |           |                    |
| Thymus                             | A                | +                | +                | +                | M                | A                | +                | +                | +                | +                | +                | +                | A                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                |                  |           |                    |
| Atrophy                            |                  | 3                | 2                |                  |                  |                  | 3                |                  | 3                |                  |                  | 1                |                  |                  | 4                |                  | 1                | 1                |                  | 4                |                  |                  |                  |                  |           |                    |
| Cyst                               |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  | 2                |                  |                  |                  |                  |                  |                  | 2                |                  |                  | 2                |                  | 2                |                  |           |                    |
| Hyperplasia, Lymphoid              |                  |                  |                  |                  |                  |                  |                  | 2                |                  |                  |                  |                  |                  | 1                |                  | 1                |                  |                  |                  |                  |                  |                  |                  |                  |           |                    |
| Infiltration Cellular, Histiocyte  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |           |                    |
| Inflammation, Granulomatous, Focal |                  |                  | 2                |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |           |                    |
| Necrosis, Lymphoid                 |                  |                  | 2                | 3                |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |           |                    |

INTEGUMENTARY SYSTEM

|               |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |
|---------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|
| Mammary Gland | M | M | M | M | M | M | M | M | M | M | M | M | M | M | M | M | M | M | M | M | M | M | M | M |  |
| Skin          | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |  |

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 + .. Tissue examined microscopically  
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|-------------------------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----------------------------|
| <b>B6C3F1 MICE MALE</b> | DAY ON TEST | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |   |                            |
|                         |             | 4 | 6 | 5 | 5 | 7 | 7 | 6 | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 6 | 7 | 7 | 7 | 6 | 7 | 7 |   | 7                          |
| <b>30 MG/KG</b>         | ANIMAL ID   | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | <b>males<br/>(cont...)</b> |
|                         |             | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 |                            |

Cyst Epithelial Inclusion  
 Fibrosis, Focal  
 Inflammation, Acute  
 Mineralization  
 Ulcer  
 Prepuce, Inflammation, Acute  
 Subcutaneous Tissue, Cyst

3  
 2  
 4

**MUSCULOSKELETAL SYSTEM**

Bone +

**NERVOUS SYSTEM**

Brain +  
 Hemorrhage 1  
 Necrosis 2  
 Peripheral Nerve +  
 Degeneration 1  
 Spinal Cord +  
 Degeneration 2  
 Hemorrhage 1

**RESPIRATORY SYSTEM**

Lung +  
 Fibrosis 1  
 Hemorrhage 2 2 2 2  
 Infiltration Cellular, Histiocyte 1 3 1

\* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade  
 + .. Tissue examined microscopically M .. Missing tissue 1-4 .. Lesion qualified as:  
 X .. Lesion present A .. Autolysis precludes evaluation 1) Minimal 3) Moderate  
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|-------------------------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| <b>B6C3F1 MICE MALE</b> | DAY ON TEST | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|                         | ANIMAL ID   | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

males  
(cont...)

Mineralization 1 1 2

Alveolar Epithelium, Hyperplasia

Alveolus, Infiltration Cellular, Histiocyte 1

Nose +

Foreign Body 1 2 1 1

Fungus X

Hemorrhage

Inflammation, Acute 2 1 2 1 1 2 1 2 2 2 1 1 2

Mineralization 1

Trachea A +

**SPECIAL SENSES SYSTEM**

Eye A + + + + A + + + + + + + A + + + + + + + + + + + +

Cataract 1

Cornea, Inflammation, Acute 3

Cornea, Necrosis 3

Retrobulbar, Inflammation, Acute 1

Harderian Gland Hyperplasia +

**URINARY SYSTEM**

Kidney + + + + + A + + + + + + + + + + + + + + + + + +

Hyperplasia, Lymphoid 1

Infarct 1 3 4

Infiltration Cellular, Mononuclear Cell 1 1 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1

Inflammation 4

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+ .. Tissue examined microscopically

X .. Lesion present

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 First Dose M/F: 02/25/08 / 02/25/08  
 Lab: SRI

| B6C3F1 MICE MALE<br>30 MG/KG         | DAY ON TEST | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | ANIMAL ID | males<br>(cont...) |
|--------------------------------------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------|--------------------|
|                                      |             | 4 | 6 | 5 | 5 | 7 | 7 | 6 | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 6 | 7 | 7 | 7 | 6 | 7 | 7 | 7 |   |           |                    |
|                                      |             | 3 | 1 | 8 | 5 | 2 | 1 | 8 | 3 | 1 | 3 | 2 | 3 | 0 | 2 | 1 | 3 | 3 | 5 | 2 | 1 | 2 | 2 | 8 | 2 | 2 | 2 |           |                    |
|                                      |             | 1 | 2 | 1 | 1 | 9 | 5 | 4 | 0 | 8 | 0 | 9 | 0 | 8 | 9 | 6 | 0 | 0 | 6 | 9 | 5 | 9 | 9 | 9 | 9 | 9 |   |           |                    |
|                                      |             | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |   |           |                    |
|                                      |             | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |   |           |                    |
|                                      |             | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 |   |           |                    |
|                                      |             | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 |   |           |                    |
| Metaplasia, Osseous                  |             |   |   |   |   |   |   |   |   |   |   | 1 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |           |                    |
| Mineralization                       |             |   |   | 1 |   |   |   |   |   |   |   |   |   |   |   |   | 1 |   | 1 |   | 1 |   |   |   |   |   |   |           |                    |
| Nephropathy                          |             |   |   |   | 1 | 1 |   |   |   |   | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |   | 1 |   |   |   |   |   | 1 |   |           |                    |
| Interstitial, Inflammation, Chronic  |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |           |                    |
| Papilla, Necrosis                    |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1 |   |   |   |   |   |           |                    |
| Papilla, Pelvis, Inflammation, Acute |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |           |                    |
| Renal Tubule, Cyst                   |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |           |                    |
| Renal Tubule, Degeneration           |             |   |   |   |   |   |   |   |   |   |   | 3 |   |   |   |   |   |   |   |   |   | 2 |   |   |   |   |   |           |                    |
| Renal Tubule, Dilatation             |             |   |   |   | 1 |   |   |   |   |   |   |   |   |   | 1 |   |   |   |   |   | 1 |   |   | 1 | 1 |   |   |           |                    |
| Renal Tubule, Pigmentation           |             |   |   |   |   |   |   |   |   |   |   |   | 2 |   |   |   |   |   |   |   | 4 |   |   |   |   |   |   |           |                    |
| Urethra                              |             |   |   | + |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | + |   |   |   |   |   |           |                    |
| Angiectasis                          |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 4 |   |   |   |   |           |                    |
| Hemorrhage                           |             |   |   |   | 1 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |           |                    |
| Inflammation, Acute                  |             |   |   |   |   | 2 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 3 |   |   |   |           |                    |
| Necrosis                             |             |   |   |   |   | 2 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |           |                    |
| Bulbourethral Gland, Hemorrhage      |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |           |                    |
| Bulbourethral Gland, Necrosis        |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 4 |   |   |           |                    |
| Urinary Bladder                      |             |   | + |   | + |   | + |   | A |   | + |   | + |   | + |   | + |   | + |   | + |   | + |   | + | + |   |           |                    |
| Hemorrhage                           |             |   |   |   |   | 2 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |           |                    |
| Hyperplasia, Lymphoid                |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |           |                    |
| Inflammation, Acute                  |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |           |                    |
| Inflammation, Chronic Active         |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |           |                    |
| Necrosis                             |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |           |                    |

\* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade  
 + .. Tissue examined microscopically  
 X .. Lesion present  
 I .. Insufficient tissue

M .. Missing tissue  
 A .. Autolysis precludes evaluation  
 BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:  
 1) Minimal 3) Moderate  
 2) Mild 4) Marked

Experiment Number: 20209 - 04

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Pentabromodiphenyl oxide (technical) (DE 71)

CAS Number: 32534-81-9

Date Report Requested: 09/10/2014

Time Report Requested: 08:48:43

First Dose M/F: 02/25/08 / 02/25/08

Lab: SRI

|                         |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |                 |                 |
|-------------------------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------------|-----------------|
| <b>B6C3F1 MICE MALE</b> | DAY ON TEST | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | <b>* TOTALS</b> |                 |
|                         |             | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 4 | 7 | 7 | 4 | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |                 |                 |
| <b>30 MG/KG</b>         | ANIMAL ID   | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | <b>* TOTALS</b> |                 |
|                         |             | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |                 |                 |
|                         |             | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | <b>* TOTALS</b> |                 |
|                         |             | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 5 |                 |                 |
|                         |             | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9               | <b>* TOTALS</b> |
|                         |             | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9               |                 |

**ALIMENTARY SYSTEM**

|   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |           |                              |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------|------------------------------|
| Esophagus<br>Muscularis, Degeneration   | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | <b>50</b> | <b>2 1.5</b>                 |
| Gallbladder<br>Cyst   | + | + | + | + | + | + | + | + | + | + | + | + | + | A | M | + | + | + | + | M | + | + | + | + | <b>41</b> | <b>1 2.0</b>                 |
| Intestine Large, Cecum  | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | <b>45</b> |                              |
| Intestine Large, Colon  | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | <b>46</b> |                              |
| Intestine Large, Rectum   | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | <b>46</b> |                              |
| Intestine Small, Duodenum<br>Infiltration Cellular, Plasma Cell<br>Inflammation | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | <b>47</b> | <b>1 1.0</b><br><b>1 2.0</b> |
| Intestine Small, Ileum  | + | + | + | + | + | + | + | + | + | + | + | + | + | A | M | + | + | + | + | + | + | + | + | + | <b>44</b> |                              |
| Intestine Small, Jejunum  | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | <b>44</b> |                              |
| Liver<br>Angiectasis  | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | <b>50</b> | <b>1 1.0</b>                 |
| Basophilic Focus, Multiple  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |           | <b>1</b>                     |
| Clear Cell Focus  |   |   |   | X |   | X | X |   |   |   | X |   |   | X |   |   |   |   | X |   |   |   | X |   | <b>17</b> |                              |
| Clear Cell Focus, Multiple  |   |   |   |   |   |   |   |   |   |   |   |   |   |   | X |   | X |   |   |   |   |   |   |   | <b>3</b>  |                              |
| Eosinophilic Focus  |   |   |   |   |   |   |   |   |   | X |   |   |   |   |   |   |   |   | X |   | X |   |   |   | <b>4</b>  |                              |
| Eosinophilic Focus, Multiple  |   |   |   |   |   |   |   |   |   |   |   | X |   |   |   |   |   |   |   |   |   | X |   |   | <b>6</b>  |                              |
| Fatty Change  |   |   | 1 | 2 |   |   | 2 |   | 3 |   | 1 |   |   |   | 2 | 3 |   |   |   |   |   |   | 2 |   | <b>17</b> | <b>2.0</b>                   |
| Hematopoietic Cell Proliferation  |   |   |   |   |   |   |   |   |   |   | 1 |   |   |   |   |   |   |   |   |   |   |   |   |   | <b>1</b>  | <b>1.0</b>                   |

\* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

X .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

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Pentabromodiphenyl oxide (technical) (DE 71)

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Lab: SRI

| B6C3F1 MICE MALE<br>30 MG/KG            | DAY ON TEST |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       | * TOTALS |     |     |
|---|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------|-----|-----|
|   | 0684        | 0656  | 0730  | 0771  | 0777  | 0777  | 0777  | 0777  | 0777  | 0777  | 0777  | 0777  | 0777  | 0777  | 0777  | 0777  | 0777  | 0777  | 0777  | 0777  | 0777  | 0777  | 0777  | 0777  |          |     |     |
| ANIMAL ID                               | 00126       | 00127 | 00128 | 00129 | 00130 | 00131 | 00132 | 00133 | 00134 | 00135 | 00136 | 00137 | 00138 | 00139 | 00140 | 00141 | 00142 | 00143 | 00144 | 00145 | 00146 | 00147 | 00148 | 00149 |          |     |     |
| Hemorrhage                              |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       | 1        | 1.0 |     |
| Inflammation, Chronic                   |             |       |       |       | 1     | 1     |       | 1     |       |       |       | 1     |       | 1     | 2     |       | 2     | 2     | 1     |       |       | 1     | 1     |       | 22       | 1.3 |     |
| Necrosis, Focal                         |             |       | 1     | 1     |       |       | 1     |       |       |       | 1     |       |       | 1     | 1     | 1     | 1     |       |       |       |       | 2     | 1     |       | 16       | 1.1 |     |
| Centrilobular, Hepatocyte, Hypertrophy  | 4           | 4     | 4     | 4     |       | 4     | 2     | 4     | 4     | 3     | 4     | 4     | 2     | 4     | 4     | 4     | 4     | 4     |       | 4     | 4     | 4     | 4     | 4     | 46       | 3.7 |     |
| Kupffer Cell, Pigmentation              | 1           |       | 1     | 2     | 2     | 2     |       | 1     |       |       | 2     |       | 1     | 1     |       |       | 3     | 2     | 2     |       |       | 1     | 2     | 1     | 33       | 1.6 |     |
| Mesentery                               |             |       | +     |       |       |       |       |       |       |       | +     |       |       |       |       |       |       |       | +     |       |       | +     | +     |       | 9        |     |     |
| Artery, Inflammation, Chronic Active    |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       | 3     | 2     |       | 2        | 2.5 |     |
| Fat, Necrosis                           |             |       | 3     |       |       |       |       |       |       |       |       | 2     |       |       |       |       |       | 2     |       |       |       | 2     |       |       | 6        | 2.0 |     |
| Pancreas                                | +           | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | 50       |     |     |
| Atrophy                                 |             |       |       |       |       |       |       |       |       |       | 2     |       |       |       |       |       |       |       |       |       | 2     |       |       |       | 7        | 1.7 |     |
| Inflammation, Chronic                   |             |       | 1     |       |       |       | 1     |       |       |       | 1     |       | 1     | 2     |       |       |       |       |       |       | 1     | 1     |       |       | 19       | 1.2 |     |
| Acinus, Hyperplasia, Focal              |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       | 1        | 1.0 |     |
| Salivary Glands                         | +           | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | 50       |     |     |
| Infiltration Cellular, Mononuclear Cell |             |       | 1     | 1     | 1     | 1     |       |       |       | 1     | 1     |       | 2     |       | 1     | 1     | 1     | 1     | 1     |       | 1     |       | 2     | 1     | 30       | 1.1 |     |
| Mineralization                          |             |       |       |       |       | 1     |       |       |       |       |       |       |       |       |       |       |       | 1     |       |       |       |       | 1     |       | 4        | 1.0 |     |
| Stomach, Forestomach                    | +           | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | 50       |     |     |
| Edema                                   |             |       |       |       |       |       |       |       |       | 2     |       |       | 2     |       |       |       |       |       |       |       |       |       |       |       | 2        | 2.0 |     |
| Erosion                                 |             |       |       |       |       |       |       | 3     | 1     |       |       | 2     |       |       |       |       | 2     |       |       |       |       | 3     |       |       | 9        | 2.4 |     |
| Foreign Body                            |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       | 2        |     |     |
| Inflammation                            | 2           | 1     |       |       |       | 2     |       | 2     | 2     | 2     | 2     | 2     |       | 1     |       | 1     | 2     | 2     |       | 2     |       | 2     | 1     | 2     | 2        | 34  | 1.7 |
| Necrosis                                |             |       |       |       |       |       |       |       |       | 3     |       |       |       |       |       |       |       |       |       |       |       |       |       |       | 1        | 3.0 |     |
| Ulcer                                   |             |       | 1     |       |       | 2     |       |       |       |       |       | 2     | 3     |       | 1     |       | 2     |       |       | 1     |       |       |       | 3     | 14       | 2.1 |     |
| Epithelium, Hyperplasia                 | 2           | 2     |       | 2     |       | 2     |       | 2     | 3     | 3     | 2     | 3     |       | 4     | 3     | 2     | 2     | 2     | 1     | 2     |       | 3     | 2     | 3     | 2        | 40  | 2.4 |
| Serosa, Fibrosis                        |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       | 2     |       |       |          | 1   | 2.0 |
| Stomach, Glandular                      | +           | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | 48       |     |     |
| Dilatation                              |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |          | 1   | 2.0 |

\* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

X .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

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1) Minimal 3) Moderate

2) Mild 4) Marked

Experiment Number: 20209 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

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 Pentabromodiphenyl oxide (technical) (DE 71)  
 CAS Number: 32534-81-9

Date Report Requested: 09/10/2014  
 Time Report Requested: 08:48:43  
 First Dose M/F: 02/25/08 / 02/25/08  
 Lab: SRI

| B6C3F1 MICE MALE<br>30 MG/KG | DAY ON TEST | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | * TOTALS |
|------------------------------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----------|
|                              | ANIMAL ID   | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 4 | 7 | 7 | 4 | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |          |
|                              |             | 8 | 5 | 3 | 3 | 3 | 3 | 2 | 3 | 5 | 2 | 3 | 5 | 3 | 3 | 2 | 2 | 0 | 3 | 0 | 3 | 2 | 3 | 2 | 2 |          |
|                              |             | 4 | 6 | 0 | 1 | 0 | 0 | 9 | 1 | 3 | 9 | 1 | 3 | 0 | 0 | 7 | 9 | 9 | 0 | 8 | 1 | 9 | 0 | 9 | 9 |          |
|                              |             | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |          |
|                              |             | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |          |
|                              |             | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |          |
|                              |             | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |          |
|                              |             | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |          |

|                        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |     |     |     |
|------------------------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|---|-----|-----|-----|
| Edema                  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1 | 1.0 |     |     |
| Erosion                |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   | 1   | 2.0 |     |
| Inflammation           |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1 | 1   | 1.5 |     |
| Mineralization         |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 2 |     | 6   | 1.5 |
| Necrosis               |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |     | 1   | 2.0 |
| Ulcer                  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1 |     | 2   | 1.5 |
| Glands, Ectasia, Focal |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |     | 2   | 1.0 |
| Serosa, Fibrosis       |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |     | 2   | 2.0 |

### CARDIOVASCULAR SYSTEM

|                        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |    |   |     |
|------------------------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|----|---|-----|
| Blood Vessel           |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | +  | 50 |   |     |
| Heart                  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |    |   |     |
| Cardiomyopathy         |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1  | 1  | 7 | 1.1 |
| Mineralization         |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1  |    | 5 | 1.4 |
| Artery, Mineralization |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |    | 1 | 1.0 |

### ENDOCRINE SYSTEM

|                                   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |   |   |     |   |     |   |   |   |   |   |   |   |   |   |   |   |   |    |     |
|-----------------------------------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|---|---|-----|---|-----|---|---|---|---|---|---|---|---|---|---|---|---|----|-----|
| Adrenal Cortex                    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 |   |   |     |   |     |   |   |   |   |   |   |   |   |   |   |   |   |    |     |
| Accessory Adrenal Cortical Nodule |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 2  | 2 | 7 | 2.0 |   |     |   |   |   |   |   |   |   |   |   |   |   |   |    |     |
| Degeneration, Fatty               |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |   | 1 | 1.0 |   |     |   |   |   |   |   |   |   |   |   |   |   |   |    |     |
| Hyperplasia                       |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 2  |   | 1 | 2.0 |   |     |   |   |   |   |   |   |   |   |   |   |   |   |    |     |
| Hypertrophy, Focal                |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1  | 3 | 5 | 2.2 |   |     |   |   |   |   |   |   |   |   |   |   |   |   |    |     |
| Hypertrophy, Diffuse              |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |   | 2 | 1   | 3 | 1.3 |   |   |   |   |   |   |   |   |   |   |   |   |    |     |
| Vacuolization Cytoplasmic         |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |   | 1 | 1.0 |   |     |   |   |   |   |   |   |   |   |   |   |   |   |    |     |
| Capsule, Hyperplasia              |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1  | 2 | 2 | 2   | 1 | 1   | 2 | 2 | 2 | 1 | 2 | 1 | 2 | 2 | 1 | 1 | 3 | 2 | 47 | 1.7 |
| Adrenal Medulla                   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |   |   |     |   |     |   |   |   |   |   |   |   |   |   |   |   |   |    |     |

\* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade  
 + .. Tissue examined microscopically  
 X .. Lesion present  
 I .. Insufficient tissue

M .. Missing tissue  
 A .. Autolysis precludes evaluation  
 BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:  
 1) Minimal 3) Moderate  
 2) Mild 4) Marked

Experiment Number: 20209 - 04

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Pentabromodiphenyl oxide (technical) (DE 71)

CAS Number: 32534-81-9

Date Report Requested: 09/10/2014

Time Report Requested: 08:48:43

First Dose M/F: 02/25/08 / 02/25/08

Lab: SRI

| B6C3F1 MICE MALE<br>30 MG/KG                      | DAY ON TEST | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | * TOTALS     |
|---|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--------------|
|   | ANIMAL ID   | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |              |
| Islets, Pancreatic Hyperplasia                    |             |   |   |   |   | 2 | 1 |   |   |   | 2 |   |   |   | 1 |   |   |   |   | 2 | 1 |   | 1 | 1 | 1 | 50<br>21 1.5 |
| Parathyroid Gland Cyst                            | M           | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 2 | 49<br>5 2.0  |
| Pituitary Gland Pars Distalis, Hyperplasia, Focal |             | + | + | + | + |   | M | + | I | + | + | + | + |   | I | + | + | + | + | + | + | + | + | + | 2 | 43<br>4 1.3  |
| Thyroid Gland C-cell, Hyperplasia                 |             | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50<br>1 2.0  |
| Follicle, Cyst                                    |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | X | 1<br>1       |
| Follicle, Degeneration                            |             |   |   |   |   |   |   |   |   |   |   |   | 2 | 1 |   |   |   |   |   |   |   |   |   |   | 1 | 12 1.4       |
| Follicle, Hypertrophy                             |             | 3 |   | 1 | 1 | 3 |   | 2 | 3 |   | 1 | 2 | 1 |   | 2 | 1 |   | 2 | 1 | 3 | 2 | 2 | 3 | 3 | 2 | 41 2.0       |
| <b>GENERAL BODY SYSTEM</b>                        |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |              |
| NONE  |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |              |
| <b>GENITAL SYSTEM</b>                             |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |              |
| Coagulating Gland                                 |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1            |
| Epididymis Granuloma Sperm Inflammation, Chronic  |             | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50<br>1 4.0  |
| Penis   |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 24 1.3       |
| Preputial Gland Cyst                              |             | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50<br>14 2.1 |

\* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

X .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked



Experiment Number: 20209 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

**P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL**  
 Pentabromodiphenyl oxide (technical) (DE 71)  
 CAS Number: 32534-81-9

Date Report Requested: 09/10/2014  
 Time Report Requested: 08:48:43  
 First Dose M/F: 02/25/08 / 02/25/08  
 Lab: SRI

| B6C3F1 MICE MALE<br>30 MG/KG                     | DAY ON TEST | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | * TOTALS        |
|--|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------------|
|  | ANIMAL ID   | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 4 | 7 | 7 | 4 | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |                 |
| Inflammation, Chronic                            |             |   | 1 | 1 | 2 |   |   | 2 |   |   |   | 1 |   |   | 2 | 2 | 1 | 2 |   | 1 | 2 |   | 2 | 2 | 25 1.7          |
| Inflammation, Chronic Active<br>Necrosis         |             |   |   |   | 2 |   |   |   |   |   |   |   |   | 2 |   |   |   |   | 2 |   |   |   |   |   | 3 2.0<br>1 1.0  |
| Prostate   |             | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50              |
| Atrophy  |             |   |   |   |   | 2 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1 2.0           |
| Inflammation, Acute                              |             | 1 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1 1.0           |
| Inflammation, Chronic<br>Epithelium, Hyperplasia |             |   |   | 2 | 1 | 1 | 1 | 2 | 1 |   | 1 |   | 1 | 1 |   | 1 | 1 |   | 1 | 1 | 1 |   | 1 | 1 | 30 1.2<br>1 1.0 |
| Seminal Vesicle                                  |             | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49              |
| Atrophy  |             |   |   |   |   | 2 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1 2.0           |
| Hemorrhage                                       |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1 |   |   |   | 1 1.0           |
| Inflammation, Chronic                            |             |   |   | 1 | 1 |   |   | 1 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1 | 8 1.0           |
| Testes   |             | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50              |
| Abnormal Residual Body                           |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1 1.0           |
| Giant Cell                                       |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1 |   |   |   |   |   | 1 |   |   | 4 1.0           |
| Germinal Epithelium, Atrophy                     |             | 1 | 1 |   |   | 2 | 3 |   | 1 |   |   |   | 1 | 1 |   | 2 | 1 | 2 |   | 2 | 1 | 1 | 1 |   | 20 1.4          |
| <b>HEMATOPOIETIC SYSTEM</b>                      |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |                 |
| Bone Marrow                                      |             | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50              |
| Lymph Node                                       |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 4               |
| Pigmentation                                     |             |   |   |   |   |   |   |   | 3 |   |   |   |   |   |   |   |   |   |   | 3 |   |   |   |   | 2 3.0           |
| Inguinal, Pigmentation                           |             |   |   |   |   |   |   |   |   |   |   |   |   | 3 |   |   |   |   |   |   |   |   |   |   | 1 3.0           |
| Lymph Node, Mandibular                           |             | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | 49              |
| Atrophy  |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1 2.0           |

\* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade  
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Experiment Number: 20209 - 04

Test Type: CHRONIC

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**P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL**

Pentabromodiphenyl oxide (technical) (DE 71)

CAS Number: 32534-81-9

Date Report Requested: 09/10/2014

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First Dose M/F: 02/25/08 / 02/25/08

Lab: SRI

| B6C3F1 MICE MALE<br>30 MG/KG       | DAY ON TEST |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       | * TOTALS |       |       |       |       |    |     |     |
|------------------------------------|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------|-------|-------|-------|-------|----|-----|-----|
|                                    | 0684        | 0665  | 0673  | 0677  | 0677  | 0677  | 0677  | 0677  | 0677  | 0677  | 0677  | 0677  | 0677  | 0677  | 0677  | 0677  | 0677  | 0677  | 0677  | 0677  |          |       | 0677  |       |       |    |     |     |
| ANIMAL ID                          | 00126       | 00127 | 00128 | 00129 | 00130 | 00131 | 00132 | 00133 | 00134 | 00135 | 00136 | 00137 | 00138 | 00139 | 00140 | 00141 | 00142 | 00143 | 00144 | 00145 | 00146    | 00147 | 00148 | 00149 | 00150 |    |     |     |
| Pigmentation                       | 1           | 1     | 1     | 1     | 2     | 3     | 1     | 1     | 2     | 1     | 1     |       |       |       | 1     | 2     | 1     | 2     | 1     | 2     | 2        | 1     | 1     | 2     | 2     | 46 | 1.5 |     |
| Lymph Node, Mesenteric             | +           | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +        | +     | +     | +     | +     | 46 |     |     |
| Angiectasis                        | 3           |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |          |       |       |       |       | 1  | 3.0 |     |
| Congestion                         |             |       |       |       |       |       |       |       |       |       |       |       |       |       | 2     |       |       |       |       |       |          |       |       |       |       | 3  | 1.3 |     |
| Ectasia                            |             |       |       |       |       |       |       |       |       |       |       |       | 2     |       |       |       |       |       |       |       |          |       |       |       |       | 1  | 2.0 |     |
| Hematopoietic Cell Proliferation   |             |       |       |       |       |       |       |       |       | 2     |       |       |       |       |       |       |       |       |       |       |          |       |       |       |       | 1  | 2.0 |     |
| Hemorrhage                         |             | 2     |       |       | 1     | 2     |       |       |       |       |       |       |       |       | 3     |       |       |       |       | 3     |          |       | 1     |       |       | 7  | 2.0 |     |
| Hyperplasia, Lymphoid              |             |       |       | 2     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |          |       |       |       |       | 1  | 2.0 |     |
| Hyperplasia, Plasma Cell           |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |          |       |       |       |       | 1  | 2.0 |     |
| Pigmentation                       |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       | 2     |       |       |       |          |       |       |       |       | 2  | 1.5 |     |
| Spleen                             | +           | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +        | +     | +     | +     | +     | 47 |     |     |
| Hematopoietic Cell Proliferation   |             | 3     |       |       | 1     | 2     |       |       |       |       |       |       |       | 3     |       |       |       |       | 2     |       | 2        |       |       | 2     | 2     | 3  | 13  | 2.2 |
| Pigmentation                       |             |       |       |       |       |       |       |       |       |       |       | 1     |       |       |       |       |       |       |       |       |          |       |       | 2     |       | 2  | 2   | 1.5 |
| Lymphoid Follicle, Atrophy         |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |          |       |       |       |       | 3  | 2.3 |     |
| Lymphoid Follicle, Hyperplasia     |             |       |       | 2     | 1     |       |       |       |       | 1     |       |       |       |       | 1     |       |       |       |       |       |          |       |       |       |       | 9  | 1.4 |     |
| Thymus                             | +           | +     | +     | +     | M     | +     | +     | +     | +     | +     | +     | M     | +     | +     | +     | +     | +     | +     | +     | +     | I        | M     | M     | M     | +     | 40 |     |     |
| Atrophy                            | 4           | 4     |       |       |       | 4     | 1     | 3     | 3     | 2     |       |       | 2     | 1     | 3     |       | 4     | 1     | 4     | 3     |          |       |       |       |       | 23 | 2.7 |     |
| Cyst                               |             |       | 2     |       |       |       |       |       |       |       |       |       | 2     |       | 2     | 2     | 2     | 2     | 2     | 2     |          |       |       |       |       | 13 | 2.0 |     |
| Hyperplasia, Lymphoid              |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |          |       |       |       |       | 3  | 1.3 |     |
| Infiltration Cellular, Histiocyte  |             |       |       |       |       |       |       |       |       |       | 1     |       |       |       |       |       |       |       |       |       |          |       |       |       |       | 1  | 1.0 |     |
| Inflammation, Granulomatous, Focal |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |          |       |       |       |       | 1  | 2.0 |     |
| Necrosis, Lymphoid                 |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       | 3     |       |       |       |       |          |       |       |       |       | 3  | 2.7 |     |
| <b>INTEGUMENTARY SYSTEM</b>        |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |          |       |       |       |       |    |     |     |
| Mammary Gland                      | M           | M     | M     | M     | M     | M     | M     | M     | +     | M     | M     | M     | M     | M     | M     | M     | M     | M     | M     | M     | M        | M     | M     | M     | M     | M  | 1   |     |
| Skin                               | +           | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +        | +     | +     | +     | +     | +  | 50  |     |

\* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

X .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

Experiment Number: 20209 - 04

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: MICE/B6C3F1

**P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL**

Pentabromodiphenyl oxide (technical) (DE 71)

CAS Number: 32534-81-9

Date Report Requested: 09/10/2014

Time Report Requested: 08:48:43

First Dose M/F: 02/25/08 / 02/25/08

Lab: SRI

| B6C3F1 MICE MALE | DAY ON TEST | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | ANIMAL ID | * TOTALS |
|------------------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------|----------|
|                  |             | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 4 | 7 | 7 | 4 | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |           |          |
|                  |             | 8 | 5 | 3 | 3 | 3 | 3 | 2 | 3 | 5 | 2 | 3 | 5 | 3 | 3 | 2 | 2 | 0 | 3 | 0 | 3 | 0 | 3 | 2 | 2 | 2 | 2 |   |           |          |
| <b>30 MG/KG</b>  |             | 4 | 6 | 0 | 1 | 0 | 0 | 9 | 1 | 3 | 9 | 1 | 3 | 0 | 0 | 7 | 9 | 9 | 0 | 8 | 1 | 9 | 0 | 9 | 0 | 9 | 9 |   |           |          |
|                  |             | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |   |           |          |
|                  |             | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |   |           |          |
|                  |             | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 5 |   |           |          |
|                  |             | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 |   |   |           |          |

|                              |   |  |  |   |  |  |  |  |  |  |  |   |  |  |   |  |  |  |  |   |  |   |  |  |  |  |  |  |  |       |
|------------------------------|---|--|--|---|--|--|--|--|--|--|--|---|--|--|---|--|--|--|--|---|--|---|--|--|--|--|--|--|--|-------|
| Cyst Epithelial Inclusion    | X |  |  |   |  |  |  |  |  |  |  |   |  |  |   |  |  |  |  |   |  |   |  |  |  |  |  |  |  | 1     |
| Fibrosis, Focal              |   |  |  |   |  |  |  |  |  |  |  | 3 |  |  |   |  |  |  |  |   |  |   |  |  |  |  |  |  |  | 1 3.0 |
| Inflammation, Acute          |   |  |  |   |  |  |  |  |  |  |  |   |  |  |   |  |  |  |  | 1 |  |   |  |  |  |  |  |  |  | 2 2.0 |
| Mineralization               |   |  |  | 2 |  |  |  |  |  |  |  |   |  |  |   |  |  |  |  |   |  |   |  |  |  |  |  |  |  | 2 2.0 |
| Ulcer                        |   |  |  |   |  |  |  |  |  |  |  |   |  |  |   |  |  |  |  |   |  |   |  |  |  |  |  |  |  | 1 4.0 |
| Prepuce, Inflammation, Acute |   |  |  |   |  |  |  |  |  |  |  |   |  |  |   |  |  |  |  |   |  | 2 |  |  |  |  |  |  |  | 2 3.0 |
| Subcutaneous Tissue, Cyst    |   |  |  |   |  |  |  |  |  |  |  |   |  |  | 2 |  |  |  |  |   |  |   |  |  |  |  |  |  |  | 1 2.0 |

**MUSCULOSKELETAL SYSTEM**

|      |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |
|------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|
| Bone | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
|------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|

**NERVOUS SYSTEM**

|                               |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |       |
|-------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|-------|
| Brain                         | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |       |
| Hemorrhage                    |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1  | 2 1.0 |
| Necrosis                      |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1  | 1 2.0 |
| Peripheral Nerve Degeneration |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1  | 1 1.0 |
| Spinal Cord Degeneration      |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1  | 1 2.0 |
| Hemorrhage                    |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1  | 1 1.0 |

**RESPIRATORY SYSTEM**

|                                   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |       |
|-----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|-------|
| Lung                              | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |       |
| Fibrosis                          |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    | 1 1.0 |
| Hemorrhage                        |   |   |   |   |   |   |   |   |   |   |   | 1 |   | 1 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    | 6 1.7 |
| Infiltration Cellular, Histiocyte |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    | 3 2.0 |

\* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade  
 + .. Tissue examined microscopically  
 X .. Lesion present  
 I .. Insufficient tissue  
 M .. Missing tissue  
 A .. Autolysis precludes evaluation  
 BLANK .. Not examined microscopically  
 1-4 .. Lesion qualified as:  
 1) Minimal 3) Moderate  
 2) Mild 4) Marked



Experiment Number: 20209 - 04

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Pentabromodiphenyl oxide (technical) (DE 71)

CAS Number: 32534-81-9

Date Report Requested: 09/10/2014

Time Report Requested: 08:48:43

First Dose M/F: 02/25/08 / 02/25/08

Lab: SRI

| B6C3F1 MICE MALE<br>30 MG/KG         | DAY ON TEST |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       | * TOTALS |       |        |
|--------------------------------------|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------|-------|--------|
|                                      | 0684        | 0684  | 0750  | 0750  | 0750  | 0750  | 0750  | 0750  | 0750  | 0750  | 0750  | 0750  | 0750  | 0750  | 0750  | 0750  | 0750  | 0750  | 0750  | 0750  | 0750  | 0750  |          | 0750  |        |
| ANIMAL ID                            | 00126       | 00126 | 00126 | 00126 | 00126 | 00126 | 00126 | 00126 | 00126 | 00126 | 00126 | 00126 | 00126 | 00126 | 00126 | 00126 | 00126 | 00126 | 00126 | 00126 | 00126 | 00126 | 00126    | 00126 |        |
| Metaplasia, Osseous                  |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |          |       | 1 1.0  |
| Mineralization                       |             | 1     |       | 1     | 1     |       | 1     |       |       | 1     |       |       |       | 1     | 1     |       |       | 1     |       | 1     | 1     |       |          | 1     | 24 1.0 |
| Nephropathy                          | 3           | 1     | 1     | 1     | 1     | 4     | 1     | 1     | 2     | 2     | 1     | 1     |       | 1     |       | 1     | 2     |       | 1     | 1     | 2     |       | 1        | 1     | 37 1.3 |
| Interstitial, Inflammation, Chronic  |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       | 1        |       | 1 1.0  |
| Papilla, Necrosis                    |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       | 1     |       |       |       |       |       |       |          |       | 2 1.0  |
| Papilla, Pelvis, Inflammation, Acute | 3           |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |          |       | 1 3.0  |
| Renal Tubule, Cyst                   |             | X     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |          |       | 1      |
| Renal Tubule, Degeneration           |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |          |       | 2 2.5  |
| Renal Tubule, Dilatation             |             |       |       | 1     |       |       | 1     |       |       | 1     | 1     |       |       |       |       | 1     | 1     | 1     |       | 1     | 1     |       |          | 1     | 15 1.0 |
| Renal Tubule, Pigmentation           |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       | 1     |          |       | 3 2.3  |
| Urethra                              |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |          |       | 3      |
| Angiectasis                          |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |          |       | 1 4.0  |
| Hemorrhage                           |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |          |       | 1 1.0  |
| Inflammation, Acute                  |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |          |       | 2 2.5  |
| Necrosis                             |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |          |       | 1 2.0  |
| Bulbourethral Gland, Hemorrhage      |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       | 2     |       |       |       |       |       |       |          |       | 1 2.0  |
| Bulbourethral Gland, Necrosis        |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |          |       | 1 4.0  |
| Urinary Bladder                      | +           | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +        | +     | 48     |
| Hemorrhage                           |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |          |       | 1 2.0  |
| Hyperplasia, Lymphoid                |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |          |       | 1 1.0  |
| Inflammation, Acute                  |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |          |       | 1 1.0  |
| Inflammation, Chronic Active         | 2           |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |          |       | 1 2.0  |
| Necrosis                             | 1           |       |       |       |       |       |       |       |       |       |       |       |       |       | 1     |       |       |       |       |       |       |       |          |       | 3 1.0  |

\* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade  
+ .. Tissue examined microscopically  
X .. Lesion present  
I .. Insufficient tissue  
M .. Missing tissue  
A .. Autolysis precludes evaluation  
BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:  
1) Minimal 3) Moderate  
2) Mild 4) Marked

Experiment Number: 20209 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL  
 Pentabromodiphenyl oxide (technical) (DE 71)  
 CAS Number: 32534-81-9

Date Report Requested: 09/10/2014  
 Time Report Requested: 08:48:43  
 First Dose M/F: 02/25/08 / 02/25/08  
 Lab: SRI

|   |             |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                                  |                       |                       |
|---|-------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|----------------------------------|-----------------------|-----------------------|
| <b>B6C3F1 MICE MALE</b><br><br><b>100 MG/KG</b> | DAY ON TEST | 0<br>5<br>4<br>3      | 0<br>5<br>4<br>3      | 0<br>5<br>4<br>3      | 0<br>5<br>4<br>3      | 0<br>5<br>4<br>3      | 0<br>5<br>5<br>6      | 0<br>5<br>3<br>0      | 0<br>5<br>3<br>7      | 0<br>5<br>2<br>7      | 0<br>5<br>4<br>3      | 0<br>4<br>9<br>7      | 0<br>5<br>4<br>3      | 0<br>5<br>5<br>0      | 0<br>5<br>2<br>5      | 0<br>5<br>4<br>3      | 0<br>5<br>4<br>3      | 0<br>0<br>8<br>0      | 0<br>4<br>4<br>3      | 0<br>4<br>4<br>2      | 0<br>5<br>4<br>3      | 0<br>5<br>4<br>3      | <b>males</b><br><b>(cont...)</b> |                       |                       |
|   | ANIMAL ID   | 0<br>0<br>1<br>5<br>1 | 0<br>0<br>1<br>5<br>2 | 0<br>0<br>1<br>5<br>3 | 0<br>0<br>1<br>5<br>4 | 0<br>0<br>1<br>5<br>5 | 0<br>0<br>1<br>5<br>6 | 0<br>0<br>1<br>5<br>7 | 0<br>0<br>1<br>5<br>8 | 0<br>0<br>1<br>5<br>9 | 0<br>0<br>1<br>6<br>0 | 0<br>0<br>1<br>6<br>1 | 0<br>0<br>1<br>6<br>2 | 0<br>0<br>1<br>6<br>3 | 0<br>0<br>1<br>6<br>4 | 0<br>0<br>1<br>6<br>5 | 0<br>0<br>1<br>6<br>6 | 0<br>0<br>1<br>6<br>7 | 0<br>0<br>1<br>6<br>8 | 0<br>0<br>1<br>6<br>9 | 0<br>0<br>1<br>6<br>0 | 0<br>0<br>1<br>7<br>1 |                                  | 0<br>0<br>1<br>7<br>2 | 0<br>0<br>1<br>7<br>3 |

**ALIMENTARY SYSTEM**

|                                  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Esophagus                        | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |   |   |
| Foreign Body                     |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Inflammation, Acute              |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1 |   |   |   |
| Necrosis                         |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 2 |   |   |   |
| Gallbladder                      | + | + | + | M | + | + | + | A | M | M | + | M | M | A | + | A | M | + | + | M | + | M | + | + | M |
| Intestine Large, Cecum           | + | + | + | + | + | A | + | A | + | + | + | A | + | A | + | + | + | + | + | + | + | + | + | + |   |
| Intestine Large, Colon           | + | + | + | + | + | + | + | A | M | + | + | A | + | A | + | + | + | + | + | + | + | + | + | + |   |
| Intestine Large, Rectum          | + | + | + | + | + | + | + | A | + | + | + | A | + | A | + | + | + | + | + | + | + | + | + | + |   |
| Intestine Small, Duodenum        | + | + | + | + | + | + | + | A | + | + | + | A | + | A | + | A | + | + | + | + | + | + | + | + |   |
| Intestine Small, Ileum           | + | + | + | + | + | + | + | A | + | M | + | A | + | A | + | A | + | + | + | + | + | + | + | + |   |
| Intestine Small, Jejunum         | + | + | + | + | + | + | + | A | + | + | + | A | + | A | + | + | + | + | + | + | + | + | + | + |   |
| Serosa, Fibrosis                 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 2 |   |   |
| Liver                            | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |   |
| Basophilic Focus                 | X |   |   |   |   |   |   |   | X |   |   |   | X |   |   |   |   |   |   |   |   |   |   |   |   |
| Clear Cell Focus                 |   |   | X |   | X |   |   |   |   |   |   |   |   |   |   | X |   |   |   |   |   |   | X |   |   |
| Eosinophilic Focus               | X |   |   |   | X |   |   |   |   |   |   |   |   |   |   |   | X |   |   |   |   | X | X |   |   |
| Eosinophilic Focus, Multiple     |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | X |   |   |   |   |   |
| Fatty Change                     | 1 |   |   |   | 2 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Hematopoietic Cell Proliferation |   |   |   |   | 1 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Hemorrhage                       |   |   |   |   |   |   |   |   |   | 1 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Inflammation, Chronic            | 1 | 1 |   |   | 1 |   | 2 |   |   |   |   |   |   |   |   | 1 | 1 |   |   |   |   |   |   |   |   |

\* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade  
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 X .. Lesion present  
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 BLANK .. Not examined microscopically  
 1-4 .. Lesion qualified as:  
 1) Minimal 3) Moderate  
 2) Mild 4) Marked

| B6C3F1 MICE MALE<br>100 MG/KG           | DAY ON TEST |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | males<br>(cont...) |
|---|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--------------------|
|   | 0           | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |                    |
|   | 5           | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 4 | 5 | 4 | 5 | 5 | 5 | 5 | 5 | 5 | 0 | 4 | 4 | 5 | 5 |                    |
| ANIMAL ID                               | 4           | 4 | 4 | 4 | 4 | 3 | 3 | 0 | 3 | 2 | 4 | 9 | 4 | 7 | 4 | 0 | 3 | 2 | 4 | 4 | 0 | 8 | 4 | 4 | 4 |                    |
|   | 3           | 3 | 3 | 3 | 3 | 6 | 0 | 3 | 7 | 7 | 3 | 2 | 3 | 7 | 3 | 0 | 5 | 8 | 3 | 3 | 3 | 0 | 2 | 3 | 3 |                    |
|   | 0           | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |                    |
|   | 1           | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |                    |
|   | 5           | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 7 |                    |
|   | 1           | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 |                    |
| Mixed Cell Focus Necrosis, Focal        | X           |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |                    |
| Centrilobular, Hepatocyte, Hypertrophy  | 4           | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 3 | 4 | 4 | 4 | 4 | 4 | 3 |   | 2 | 4 | 4 | 3 |   |                    |
| Hepatocyte, Necrosis                    |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 2 |   |   |   |   |                    |
| Kupffer Cell, Pigmentation              |             | 1 | 1 |   | 1 |   |   |   |   |   | 2 | 2 |   |   |   | 1 |   | 1 |   |   |   |   |   | 1 |   |                    |
| Mesentery Inflammation, Chronic         |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |                    |
| Artery, Inflammation, Chronic Active    |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |                    |
| Fat, Necrosis                           |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |                    |
| Pancreas Degeneration                   | +           | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |                    |
| Hemorrhage                              |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |                    |
| Inflammation, Chronic                   | 1           |   | 1 |   | 1 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1 |   |                    |
| Salivary Glands Hyperplasia, Lymphoid   | +           | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |                    |
| Infiltration Cellular, Mononuclear Cell |             | 1 | 1 |   |   | 2 | 1 |   |   |   | 1 |   | 1 | 1 |   |   |   |   |   |   | 1 |   |   |   |   |                    |
| Mineralization                          |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |                    |
| Stomach, Forestomach Erosion            | +           | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |                    |
| Inflammation                            | 1           |   | 2 | 2 |   | 2 |   |   |   |   | 2 |   |   |   |   | 2 | 1 |   |   | 1 |   |   | 2 |   |   |                    |
| Mineralization                          |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |                    |
| Ulcer Epithelium, Hyperplasia           |             |   | 3 | 3 |   |   | 4 |   |   |   |   |   | 2 |   |   | 2 |   |   |   |   |   | 2 |   | 1 |   |                    |
|   | 3           |   | 4 | 4 |   | 4 | 3 |   |   | 2 | 1 |   | 3 |   | 3 | 3 |   |   | 3 |   |   | 3 | 2 | 1 |   |                    |
| Stomach, Glandular Erosion              | +           | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |                    |
| Hemorrhage                              |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |                    |

\* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade  
 + .. Tissue examined microscopically  
 X .. Lesion present  
 I .. Insufficient tissue  
 M .. Missing tissue  
 A .. Autolysis precludes evaluation  
 BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:  
 1) Minimal 3) Moderate  
 2) Mild 4) Marked







Experiment Number: 20209 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL  
 Pentabromodiphenyl oxide (technical) (DE 71)  
 CAS Number: 32534-81-9

Date Report Requested: 09/10/2014  
 Time Report Requested: 08:48:43  
 First Dose M/F: 02/25/08 / 02/25/08  
 Lab: SRI

| B6C3F1 MICE MALE<br>100 MG/KG                 | DAY ON TEST | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |   |   |   |   |   |   |   |   |   |   |  |   |  |
|---|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|---|--|
|   | ANIMAL ID   | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |   |   |   |   |   |   |   |  |   |  |
| Inflammation, Chronic                         |             | 1 |   | 1 |   | 1 |   |   |   | 1 |   |   |   |   |   |   | 1 | 1 |   |   |   | 1 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |   |  |
| Seminal Vesicle                               |             | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |   |   |   |   |  |   |  |
| Testes  |             | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |   |   |   |  |   |  |
| Abnormal Residual Body                        |             |   |   |   |   |   |   |   |   | 1 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |   |  |
| Angiectasis                                   |             |   |   |   |   | 4 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |   |  |
| Giant Cell                                    |             |   |   |   |   |   |   |   |   |   | 1 |   |   |   | 1 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |   |  |
| Germinal Epithelium, Atrophy                  |             |   |   |   | 2 |   | 1 |   |   | 1 | 2 |   |   |   |   |   |   |   |   | 1 | 1 |   | 1 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |   |  |
| <b>HEMATOPOIETIC SYSTEM</b>                   |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |   |  |
| Bone Marrow                                   |             | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |   |  |   |  |
| Lymph Node<br>Inguinal, Hyperplasia, Lymphoid |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |   |  |
| Lymph Node, Mandibular<br>Pigmentation        |             | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |  |   |  |
| Lymph Node, Mesenteric<br>Atrophy             |             | 2 |   |   |   |   |   |   |   |   |   |   |   | 2 |   | 2 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |   |  |
| Ectasia                                       |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |   |  |
| Hemorrhage                                    |             | 2 |   | 2 |   |   |   |   | 1 |   |   |   | 2 |   |   |   | 4 |   |   |   |   |   |   | 3 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |   |  |
| Hyperplasia, Lymphoid                         |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |   |  |
| Infiltration Cellular, Polymorphonuclear      |             |   |   |   |   |   |   |   |   |   |   | 2 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |   |  |
| Pigmentation                                  |             |   |   | 2 |   |   |   |   |   |   |   | 2 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  | 1 |  |
| Spleen  |             | + | + | + | + | + | + | + | + | + | + | + | A | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |  |   |  |
| Hematopoietic Cell Proliferation              |             |   | 2 |   | 2 | 1 | 1 |   | 1 | 1 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  | 2 |  |
| Infiltration Cellular, Eosinophil             |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |   |  |

males  
(cont...)

\* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade  
 + .. Tissue examined microscopically  
 X .. Lesion present  
 I .. Insufficient tissue  
 M .. Missing tissue  
 A .. Autolysis precludes evaluation  
 BLANK .. Not examined microscopically  
 1-4 .. Lesion qualified as:  
 1) Minimal 3) Moderate  
 2) Mild 4) Marked

Experiment Number: 20209 - 04

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: MICE/B6C3F1

**P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL**

Pentabromodiphenyl oxide (technical) (DE 71)

CAS Number: 32534-81-9

Date Report Requested: 09/10/2014

Time Report Requested: 08:48:43

First Dose M/F: 02/25/08 / 02/25/08

Lab: SRI

|                         |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |                        |   |   |   |   |   |   |
|-------------------------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|------------------------|---|---|---|---|---|---|
| <b>B6C3F1 MICE MALE</b> | DAY ON TEST | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0                      | 0 | 0 | 0 | 0 |   |   |
|                         | ANIMAL ID   | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0                      | 0 | 0 | 0 | 0 | 0 |   |
| <b>100 MG/KG</b>        |             | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1                      | 1 | 1 | 1 | 1 | 1 |   |
|                         |             | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7                      | 7 | 7 | 7 | 7 |   |   |
|                         |             | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9                      | 0 | 1 | 2 | 3 | 4 | 5 |
|                         |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | <b>males (cont...)</b> |   |   |   |   |   |   |

|                                   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |  |  |  |  |  |  |  |  |   |  |
|-----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|--|--|--|--|--|--|--|--|---|--|
| Pigmentation                      |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |  |  |  |  |  |  |  |  |   |  |
| Lymphoid Follicle, Atrophy        |   |   |   |   |   |   |   |   | 4 |   |   | 3 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |  |  |  |  |  |  |  |  |   |  |
| Lymphoid Follicle, Hyperplasia    | 1 |   | 1 |   |   |   | 1 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |  |  |  |  |  |  |  |  |   |  |
| Thymus                            | + | + | + | + | + | + | M | + | M | M | + | + | + | + | + | + | M | + | + | + | + |   |   | I | M | I | + |  |  |  |  |  |  |  |  |  |   |  |
| Atrophy                           |   |   |   |   | 4 |   | 3 |   |   |   |   |   |   |   |   | 4 |   | 2 |   |   | 4 | 1 | 1 | 3 |   |   |   |  |  |  |  |  |  |  |  |  | 4 |  |
| Cyst                              | 2 |   | 2 |   | 2 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |  |  |  |  |  |  |  |  |   |  |
| Hemorrhage                        |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 2 |   |   |   |   |   |   |   |   |   |   |  |  |  |  |  |  |  |  |  |   |  |
| Hyperplasia, Lymphoid             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |  |  |  |  |  |  |  |  |   |  |
| Infiltration Cellular, Histiocyte |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |  |  |  |  |  |  |  |  |   |  |
| Necrosis, Lymphoid                |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 3 |   |   |   |   |   |   |   |   |   |  |  |  |  |  |  |  |  |  |   |  |

**INTEGUMENTARY SYSTEM**

|                              |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Mammary Gland                | M | M | M | M | M | M | + | M | M | M | M | M | M | M | M | M | M | M | M | M | M | M | M | M | M | M | M | M | M | M | M | M | M | M | M | M | M |   |
| Skin                         | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Fibrosis                     |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Foreign Body                 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Hemorrhage                   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 2 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Hyperkeratosis               |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Inflammation, Acute          |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Inflammation, Chronic        |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Inflammation, Chronic Active |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1 |
| Thrombosis                   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Ulcer                        |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Epidermis, Tail, Hyperplasia |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |

**MUSCULOSKELETAL SYSTEM**

|      |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Bone | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
|------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|

\* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade  
+ .. Tissue examined microscopically  
X .. Lesion present  
I .. Insufficient tissue  
M .. Missing tissue  
A .. Autolysis precludes evaluation  
BLANK .. Not examined microscopically  
1-4 .. Lesion qualified as:  
1) Minimal 3) Moderate  
2) Mild 4) Marked

Experiment Number: 20209 - 04

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: MICE/B6C3F1

**P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL**

Pentabromodiphenyl oxide (technical) (DE 71)

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Lab: SRI

|                         |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|-------------------------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| <b>B6C3F1 MICE MALE</b> | DAY ON TEST | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|                         | ANIMAL ID   | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

Tail, Callus

**NERVOUS SYSTEM**

|                           |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|---------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Brain                     | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Cyst Epithelial Inclusion |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Hemorrhage                |   |   |   |   |   |   |   |   |   |   |   |   |   | 1 | 1 |   |   | 2 |   |   |   |   | 1 |   | 1 |
| Inflammation, Acute       |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1 |

**RESPIRATORY SYSTEM**

|                                   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|-----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Lung                              | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Congestion                        |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 2 |
| Foreign Body                      |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Hemorrhage                        |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Hyperplasia                       |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1 |   |
| Infiltration Cellular, Histiocyte |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Inflammation, Acute               |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1 |
| Inflammation, Chronic             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Metaplasia, Osseous               |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Mineralization                    |   |   |   |   |   |   |   |   |   |   |   |   |   | 1 |   | 1 |   |   |   |   |   |   |   |   |   |
| Alveolar Epithelium, Hypertrophy  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Nose                              | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Foreign Body                      |   |   |   | 2 |   |   |   |   |   |   |   |   |   |   |   |   |   | 2 | 2 |   |   |   |   |   |   |
| Inflammation, Acute               |   |   |   |   | 1 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Trachea                           | + | M | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | I | + | + | + |

**SPECIAL SENSES SYSTEM**

\* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

X .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked



Experiment Number: 20209 - 04

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Pentabromodiphenyl oxide (technical) (DE 71)

CAS Number: 32534-81-9

Date Report Requested: 09/10/2014

Time Report Requested: 08:48:43

First Dose M/F: 02/25/08 / 02/25/08

Lab: SRI

| B6C3F1 MICE MALE<br>100 MG/KG |  | DAY ON TEST |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | * TOTALS |  |
|-------------------------------|--|-------------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----------|--|
|                               |  | 04          | 05 | 05 | 05 | 05 | 05 | 05 | 05 | 05 | 05 | 05 | 05 | 05 | 05 | 05 | 05 | 05 | 05 | 05 | 05 | 05 | 05 | 05 | 05 | 05 | 05 |          |  |
| ANIMAL ID                     |  | 01          | 01 | 01 | 01 | 01 | 01 | 01 | 01 | 01 | 01 | 01 | 01 | 01 | 01 | 01 | 01 | 01 | 01 | 01 | 01 | 01 | 01 | 01 | 01 | 01 | 01 |          |  |
|                               |  |             |    | 1  | 3  | 3  | 5  | 7  | 3  | 3  | 1  | 0  | 3  | 3  | 5  | 3  | 3  | 3  | 3  | 3  | 3  | 4  | 5  | 4  | 3  | 3  | 5  | 5        |  |
|                               |  | 1           | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  |          |  |
|                               |  | 1           | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  |          |  |
|                               |  | 7           | 7  | 7  | 7  | 8  | 8  | 8  | 8  | 8  | 8  | 8  | 8  | 8  | 8  | 8  | 8  | 9  | 9  | 9  | 9  | 9  | 9  | 9  | 9  | 9  | 9  |          |  |
|                               |  | 6           | 7  | 8  | 9  | 0  | 1  | 2  | 3  | 4  | 5  | 6  | 7  | 8  | 9  | 0  | 1  | 2  | 3  | 4  | 5  | 6  | 7  | 8  | 9  | 0  |    |          |  |

ALIMENTARY SYSTEM

|                                  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |     |     |
|----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|-----|-----|
| Esophagus                        | + |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 50 |     |     |
| Foreign Body                     |   |   |   |   |   |   |   |   | 4 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1  | 4.0 |     |
| Inflammation, Acute              |   |   |   |   |   |   |   |   | 2 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    | 2   | 1.5 |
| Necrosis                         |   |   |   |   |   |   |   |   | 3 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    | 2   | 2.5 |
| Gallbladder                      | + | M | + | + | + | M | + | + | M | + | + | M | + | + | + | M | M | + | + | + | + | + | M | + | + |   | 31 |     |     |
| Intestine Large, Cecum           | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |    | 45  |     |
| Intestine Large, Colon           | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |    | 46  |     |
| Intestine Large, Rectum          | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |    | 46  |     |
| Intestine Small, Duodenum        | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A |    | 44  |     |
| Intestine Small, Ileum           | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + |    | 43  |     |
| Intestine Small, Jejunum         | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |    | 46  |     |
| Serosa, Fibrosis                 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    | 1   | 2.0 |
| Liver                            | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |   | 50 |     |     |
| Basophilic Focus                 |   |   | X |   |   |   |   |   |   |   |   |   | X |   |   |   |   |   |   |   |   |   |   |   |   |   |    | 5   |     |
| Clear Cell Focus                 |   |   |   |   |   |   |   |   |   |   | X |   |   |   |   |   |   | X |   |   |   |   |   |   |   |   |    | 7   |     |
| Eosinophilic Focus               |   |   |   |   |   |   |   |   | X | X |   |   |   |   |   |   | X |   |   |   |   |   | X | X |   |   |    | 10  |     |
| Eosinophilic Focus, Multiple     |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    | 1   |     |
| Fatty Change                     |   |   |   |   | 2 |   |   |   |   |   | 1 |   |   |   |   |   |   | 2 |   |   |   |   |   |   |   |   |    | 5   | 1.6 |
| Hematopoietic Cell Proliferation |   |   |   |   |   |   |   |   |   |   |   |   | 1 |   |   |   | 1 |   |   |   |   |   |   |   |   |   |    | 3   | 1.0 |
| Hemorrhage                       |   |   |   |   |   |   |   |   |   |   |   | 2 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    | 2   | 1.5 |
| Inflammation, Chronic            |   | 1 |   |   |   | 1 |   |   |   |   |   | 1 | 1 |   |   |   |   | 2 |   |   |   |   |   |   |   |   |    | 12  | 1.3 |

\* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

X .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

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|---|-------------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----------|
|   | 04          | 05 | 05 | 05 | 05 | 05 | 05 | 05 | 05 | 05 | 05 | 05 | 05 | 05 | 05 | 05 | 05 | 05 | 05 | 05 | 05 | 05 | 05 | 05 | 05 |          |
| ANIMAL ID                               | 00          | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 |          |
| Mixed Cell Focus                        |             |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 1  |          |
| Necrosis, Focal                         |             |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 2  |          |
| Centrilobular, Hepatocyte, Hypertrophy  | 4           | 4  | 4  | 4  | 4  | 4  |    | 4  | 4  | 4  | 4  | 4  | 4  | 4  | 4  | 4  | 4  | 4  | 4  | 4  | 4  | 4  | 4  | 4  | 48 |          |
| Hepatocyte, Necrosis                    |             |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 1  |          |
| Kupffer Cell, Pigmentation              | 1           | 1  | 2  |    | 1  |    |    |    |    | 1  | 1  |    | 2  | 2  |    | 1  |    | 1  | 1  | 2  | 2  | 1  | 1  | 1  | 25 |          |
| Mesentery                               |             |    | +  |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | +  |    | +  |    |    |    | 5  |          |
| Inflammation, Chronic                   |             |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 1  |    |    |    | 1  |          |
| Artery, Inflammation, Chronic Active    |             |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 2  |          |
| Fat, Necrosis                           |             |    | 2  |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 2  |    |    |    | 2  |          |
| Pancreas                                | +           | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | 50 |          |
| Degeneration                            |             |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 1  |          |
| Hemorrhage                              |             |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 1  |          |
| Inflammation, Chronic                   |             |    |    |    |    |    |    | 1  |    | 1  |    | 1  |    |    |    |    |    |    |    |    |    |    |    |    | 8  |          |
| Salivary Glands                         | +           | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | 50 |          |
| Hyperplasia, Lymphoid                   |             |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 1  |    | 1  |          |
| Infiltration Cellular, Mononuclear Cell |             | 1  | 1  |    |    | 1  |    |    | 1  | 1  |    | 1  | 1  |    | 1  | 1  |    | 1  |    |    |    | 1  | 1  | 1  | 21 |          |
| Mineralization                          |             |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 1  | 1  |          |
| Stomach, Forestomach                    | +           | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | 50 |          |
| Erosion                                 |             |    |    |    |    | 3  |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 4  |    | 3  |          |
| Inflammation                            |             | 2  | 2  | 1  |    | 2  |    | 2  | 1  |    |    |    | 2  |    | 2  |    |    |    |    |    | 2  |    | 1  |    | 19 |          |
| Mineralization                          |             |    |    |    |    |    |    |    |    |    |    |    | 2  |    |    |    |    |    |    |    |    |    |    |    | 1  |          |
| Ulcer                                   |             | 2  | 2  |    |    |    |    | 4  |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 2  |    | 11 |          |
| Epithelium, Hyperplasia                 |             | 4  | 4  | 3  | 4  | 3  |    | 4  | 3  | 2  | 1  | 2  |    | 2  |    | 4  |    |    |    |    |    | 4  | 2  | 4  | 29 |          |
| Stomach, Glandular                      | +           | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | 50 |          |
| Erosion                                 |             | 3  |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 2  |          |
| Hemorrhage                              |             |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 1  |          |

\* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

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|-----------------------------------|---|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|----------|
|                                   | 0<br>4<br>5<br>1                                  | 0<br>5<br>4<br>3      | 0<br>5<br>4<br>3      | 0<br>5<br>1<br>5      | 0<br>5<br>3<br>7      | 0<br>5<br>4<br>3      | 0<br>0<br>0<br>3      | 0<br>5<br>0<br>1      | 0<br>5<br>0<br>0      | 0<br>5<br>3<br>3      | 0<br>5<br>4<br>5      | 0<br>5<br>4<br>3      | 0<br>5<br>4<br>3      | 0<br>5<br>4<br>3      | 0<br>5<br>4<br>3      | 0<br>5<br>4<br>3      | 0<br>5<br>4<br>3      | 0<br>5<br>4<br>3      | 0<br>5<br>4<br>3      | 0<br>5<br>4<br>3      | 0<br>5<br>4<br>3      | 0<br>5<br>4<br>3      | 0<br>5<br>4<br>3      | 0<br>5<br>4<br>3      |                       |          |
| ANIMAL ID                         | 0<br>0<br>1<br>7<br>6                             | 0<br>0<br>1<br>7<br>7 | 0<br>0<br>1<br>7<br>8 | 0<br>0<br>1<br>7<br>9 | 0<br>0<br>1<br>8<br>0 | 0<br>0<br>1<br>8<br>1 | 0<br>0<br>1<br>8<br>2 | 0<br>0<br>1<br>8<br>3 | 0<br>0<br>1<br>8<br>4 | 0<br>0<br>1<br>8<br>5 | 0<br>0<br>1<br>8<br>6 | 0<br>0<br>1<br>8<br>7 | 0<br>0<br>1<br>8<br>8 | 0<br>0<br>1<br>8<br>9 | 0<br>0<br>1<br>9<br>0 | 0<br>0<br>1<br>9<br>1 | 0<br>0<br>1<br>9<br>2 | 0<br>0<br>1<br>9<br>3 | 0<br>0<br>1<br>9<br>4 | 0<br>0<br>1<br>9<br>5 | 0<br>0<br>1<br>9<br>6 | 0<br>0<br>1<br>9<br>7 | 0<br>0<br>1<br>9<br>8 | 0<br>0<br>1<br>9<br>9 | 0<br>0<br>1<br>9<br>0 |          |
|                                   | Mineralization                                    | 2                     |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |          |
| Ulcer                             |   |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | 1 4.0    |
| Tongue                            |   |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | 1        |
| Angiectasis                       |   |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | 1 1.0    |
| Tooth                             |   |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | 1        |
| Inflammation, Acute               |   |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | 3 3.0    |
| <b>CARDIOVASCULAR SYSTEM</b>      |   |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |          |
| Blood Vessel                      | + |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | 50       |
| Heart                             | + |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | 50       |
| Cardiomyopathy                    |   |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | 1 1.0    |
| Mineralization                    | 2   |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | 5 1.8    |
| <b>ENDOCRINE SYSTEM</b>           |   |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |          |
| Adrenal Cortex                    | + |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | 48       |
| Accessory Adrenal Cortical Nodule | 2   |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | 1 2.0    |
| Degeneration, Fatty               | 1   |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | 2 1.0    |
| Hypertrophy, Focal                | 1   |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | 3 2.0    |
| Hypertrophy, Diffuse              | 1 2 1   |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | 20 1.4   |
| Vacuolization Cytoplasmic         |   |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | 1 2.0    |
| Capsule, Fibrosis                 |   |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | 1 2.0    |
| Capsule, Hemorrhage               |   |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | 1 2.0    |
| Capsule, Hyperplasia              | 1 2 1 1 2 2 1 2 2 2 2 1 1 1 1 2 1 2 1 1 1 1 2     |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | 41 1.6   |
| Adrenal Medulla                   | + |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | 48       |
| Hyperplasia                       |   |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | 1 1.0    |

\* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade  
 + .. Tissue examined microscopically  
 X .. Lesion present  
 I .. Insufficient tissue  
 M .. Missing tissue  
 A .. Autolysis precludes evaluation  
 BLANK .. Not examined microscopically  
 1-4 .. Lesion qualified as:  
 1) Minimal 3) Moderate  
 2) Mild 4) Marked



Experiment Number: 20209 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

**P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL**  
 Pentabromodiphenyl oxide (technical) (DE 71)  
 CAS Number: 32534-81-9

Date Report Requested: 09/10/2014  
 Time Report Requested: 08:48:43  
 First Dose M/F: 02/25/08 / 02/25/08  
 Lab: SRI

| B6C3F1 MICE MALE<br>100 MG/KG           | DAY ON TEST   |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               | * TOTALS |        |       |
|---|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------|--------|-------|
|   | 04<br>51      | 05<br>43      | 05<br>43      | 05<br>15      | 05<br>37      | 05<br>43      | 05<br>33      | 00<br>51      | 05<br>50      | 05<br>53      | 05<br>54      | 05<br>55      | 05<br>55      | 05<br>55      | 05<br>55      | 05<br>55      | 05<br>55      | 05<br>55      | 05<br>55      | 05<br>55      | 05<br>55      | 05<br>55      | 05<br>55      | 05<br>55      |          |        |       |
| ANIMAL ID                               | 00<br>17<br>6 | 00<br>17<br>8 | 00<br>17<br>9 | 00<br>17<br>0 | 00<br>17<br>1 | 00<br>17<br>2 | 00<br>17<br>3 | 00<br>17<br>4 | 00<br>17<br>5 | 00<br>17<br>6 | 00<br>17<br>7 | 00<br>17<br>8 | 00<br>17<br>9 | 00<br>17<br>0 | 00<br>17<br>1 | 00<br>17<br>2 | 00<br>17<br>3 | 00<br>17<br>4 | 00<br>17<br>5 | 00<br>17<br>6 | 00<br>17<br>7 | 00<br>17<br>8 | 00<br>17<br>9 | 00<br>17<br>0 |          |        |       |
| Islets, Pancreatic<br>Hyperplasia       | +             | +             | +             | +             | +             | +             | +             | +             | +             | +             | +             | +             | +             | +             | +             | +             | +             | +             | +             | +             | +             | +             | +             | +             | 50       | 6 1.0  |       |
| Parathyroid Gland                       | +             | +             | +             | +             | +             | M             | M             | +             | +             | +             | +             | +             | +             | +             | +             | +             | +             | +             | +             | +             | +             | +             | +             | +             | 44       |        |       |
| Pituitary Gland<br>Pars Distalis, Cyst  | M             | +             | +             | +             | +             | +             | +             | +             | +             | +             | +             | +             | +             | +             | +             | +             | +             | +             | +             | +             | +             | +             | +             | +             | 44       | 1 2.0  |       |
| Pars Distalis, Hyperplasia, Focal       |               |               | 2             |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |          | 1 2.0  |       |
| Thyroid Gland<br>Follicle, Cyst         | +             | +             | +             | +             | +             | +             | I             | +             | +             | +             | +             | +             | +             | +             | +             | +             | +             | +             | +             | +             | +             | +             | +             | +             | 49       | 1      |       |
| Follicle, Degeneration                  |               |               | 2             |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |          | 6 1.3  |       |
| Follicle, Hypertrophy                   | 1             | 1             | 3             | 3             | 3             |               |               | 3             | 3             | 3             | 2             | 3             | 2             | 3             | 2             | 3             | 3             | 1             | 3             | 3             | 2             | 3             | 3             | 1             |          | 45 2.4 |       |
| <b>GENERAL BODY SYSTEM</b>              |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |          |        |       |
| Tissue NOS                              |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |          |        | 1     |
| <b>GENITAL SYSTEM</b>                   |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |          |        |       |
| Epididymis<br>Fibrosis                  | +             | +             | +             | +             | +             | +             | +             | +             | +             | +             | +             | +             | +             | +             | +             | +             | +             | +             | +             | +             | +             | +             | +             | +             | +        | 50     | 1 2.0 |
| Inflammation, Chronic                   |               |               |               |               |               | 1             |               |               |               |               | 1             |               |               |               |               |               |               |               |               | 1             |               |               |               |               |          |        | 7 1.1 |
| Preputial Gland<br>Cyst                 | +             | +             | +             | +             | +             | +             | +             | +             | +             | +             | +             | +             | +             | +             | +             | +             | +             | +             | +             | +             | +             | +             | +             | +             | 50       | 3 1.3  |       |
| Inflammation, Acute                     |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |          |        | 1 2.0 |
| Inflammation, Chronic                   |               |               |               |               |               |               |               |               |               |               |               |               | 2             |               |               |               |               |               |               |               |               |               | 1             |               |          |        | 5 1.2 |
| Prostate<br>Inflammation, Granulomatous | +             | +             | +             | +             | +             | +             | +             | +             | +             | +             | +             | +             | +             | +             | +             | +             | +             | +             | +             | +             | +             | +             | +             | +             | 50       | 1 2.0  |       |

\* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade  
 + .. Tissue examined microscopically  
 X .. Lesion present  
 I .. Insufficient tissue  
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Experiment Number: 20209 - 04

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: MICE/B6C3F1

**P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL**

Pentabromodiphenyl oxide (technical) (DE 71)

CAS Number: 32534-81-9

Date Report Requested: 09/10/2014

Time Report Requested: 08:48:43

First Dose M/F: 02/25/08 / 02/25/08

Lab: SRI

| B6C3F1 MICE MALE<br>100 MG/KG                            | DAY ON TEST |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | * TOTALS |    |     |     |     |     |     |     |
|--|-------------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----------|----|-----|-----|-----|-----|-----|-----|
|  | 04          | 05 | 05 | 05 | 05 | 05 | 05 | 05 | 05 | 05 | 05 | 05 | 05 | 05 | 05 | 05 | 05 | 05 | 05 | 05 |          |    | 05  |     |     |     |     |     |
| ANIMAL ID  | 00          | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00       |    |     |     |     |     |     |     |
| Inflammation, Chronic                                    |             |    | 1  |    |    |    |    |    |    | 1  | 1  |    | 1  |    | 1  |    | 1  |    |    |    |          | 15 | 1.0 |     |     |     |     |     |
| Seminal Vesicle  | +           | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +        | +  | 49  |     |     |     |     |     |
| Testes   | A           | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +        | +  | 49  |     |     |     |     |     |
| Abnormal Residual Body                                   |             |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |          |    | 1   | 1.0 |     |     |     |     |
| Angiectasis  |             |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |          |    | 1   | 4.0 |     |     |     |     |
| Giant Cell   |             |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |          |    | 2   | 1.0 |     |     |     |     |
| Germinal Epithelium, Atrophy                             |             |    |    | 1  |    |    |    |    |    |    |    |    |    | 2  |    | 3  |    | 2  |    |    | 1        |    | 13  | 1.5 |     |     |     |     |
| <b>HEMATOPOIETIC SYSTEM</b>                              |             |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |          |    |     |     |     |     |     |     |
| Bone Marrow  | +           | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +        | +  | 50  |     |     |     |     |     |
| Lymph Node<br>Inguinal, Hyperplasia, Lymphoid            |             |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |          |    | 1   | 1   | 2.0 |     |     |     |
| Lymph Node, Mandibular<br>Pigmentation                   | +           | +  | +  | +  | +  | M  | +  | +  | +  | +  | +  | M  | +  | +  | +  | +  | +  | +  | M  | +  | +        | +  | 46  |     |     |     |     |     |
|  | 3           | 1  | 1  | 2  | 1  |    |    | 2  | 1  | 2  | 2  |    | 1  | 1  | 2  | 2  | 2  | 1  |    | 2  | 2        | 2  | 2   | 1   | 2   | 44  | 1.7 |     |
| Lymph Node, Mesenteric<br>Atrophy                        | M           | +  | +  | +  | I  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +        | +  | 47  |     |     |     |     |     |
| Ectasia  |             |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 2  |    |    |    | 2        |    |     | 3   | 2.0 |     |     |     |
| Hemorrhage   |             |    |    | 3  |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |          | 1  |     |     | 8   | 2.3 |     |     |
| Hyperplasia, Lymphoid                                    |             |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |          |    |     |     |     | 1   | 2.0 |     |
| Infiltration Cellular, Polymorphonuclear<br>Pigmentation |             |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |          |    |     |     |     | 1   | 2.0 |     |
|  |             |    |    | 1  |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |          |    |     |     |     | 4   | 1.5 |     |
| Spleen   | A           | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +        | +  | 47  |     |     |     |     |     |
| Hematopoietic Cell Proliferation                         |             |    |    | 1  | 2  | 2  | 2  | 2  | 2  | 1  |    |    | 2  | 3  |    | 1  |    | 4  | 1  | 4  | 3        |    | 2   | 1   |     | 25  | 1.8 |     |
| Infiltration Cellular, Eosinophil                        |             |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |          |    |     |     |     |     | 1   | 3.0 |

\* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade  
 + .. Tissue examined microscopically  
 X .. Lesion present  
 I .. Insufficient tissue  
 M .. Missing tissue  
 A .. Autolysis precludes evaluation  
 BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:  
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Experiment Number: 20209 - 04

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: MICE/B6C3F1

**P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL**

Pentabromodiphenyl oxide (technical) (DE 71)

CAS Number: 32534-81-9

Date Report Requested: 09/10/2014

Time Report Requested: 08:48:43

First Dose M/F: 02/25/08 / 02/25/08

Lab: SRI

| B6C3F1 MICE MALE<br>100 MG/KG     | DAY ON TEST           |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | * TOTALS              |                       |                       |                       |            |          |           |            |
|-----------------------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|------------|----------|-----------|------------|
|                                   | 0<br>4<br>5<br>1      | 0<br>5<br>4<br>3      | 0<br>5<br>4<br>3      | 0<br>5<br>1<br>5      | 0<br>5<br>3<br>7      | 0<br>5<br>4<br>3      | 0<br>0<br>0<br>3      | 0<br>5<br>0<br>3      | 0<br>5<br>0<br>1      | 0<br>5<br>3<br>0      | 0<br>5<br>4<br>3      | 0<br>5<br>4<br>5      | 0<br>5<br>4<br>3      | 0<br>5<br>4<br>3      | 0<br>5<br>4<br>3      | 0<br>5<br>4<br>3      | 0<br>5<br>4<br>3      | 0<br>5<br>5<br>5      | 0<br>4<br>3<br>7      | 0<br>5<br>4<br>3      |                       | 0<br>5<br>5<br>3      | 0<br>5<br>4<br>3      |                       |            |          |           |            |
| ANIMAL ID                         | 0<br>0<br>1<br>7<br>6 | 0<br>0<br>1<br>7<br>7 | 0<br>0<br>1<br>7<br>8 | 0<br>0<br>1<br>7<br>8 | 0<br>0<br>1<br>8<br>0 | 0<br>0<br>1<br>8<br>1 | 0<br>0<br>1<br>8<br>2 | 0<br>0<br>1<br>8<br>3 | 0<br>0<br>1<br>8<br>4 | 0<br>0<br>1<br>8<br>5 | 0<br>0<br>1<br>8<br>6 | 0<br>0<br>1<br>8<br>7 | 0<br>0<br>1<br>8<br>8 | 0<br>0<br>1<br>9<br>9 | 0<br>0<br>1<br>9<br>9 | 0<br>0<br>1<br>9<br>9 | 0<br>0<br>1<br>9<br>9 | 0<br>0<br>1<br>9<br>9 | 0<br>0<br>1<br>9<br>9 | 0<br>0<br>1<br>9<br>9 | 0<br>0<br>1<br>9<br>9 | 0<br>0<br>1<br>9<br>9 | 0<br>0<br>1<br>9<br>9 | 0<br>0<br>1<br>9<br>0 |            |          |           |            |
| Pigmentation                      | 1                     |                       |                       | 1                     |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | <b>2</b>              | <b>1.0</b> |          |           |            |
| Lymphoid Follicle, Atrophy        |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | <b>4</b>              | <b>2.8</b>            |                       |                       |            |          |           |            |
| Lymphoid Follicle, Hyperplasia    | 2                     |                       |                       |                       |                       |                       |                       |                       |                       |                       | 4                     |                       |                       |                       |                       |                       |                       |                       |                       |                       | <b>5</b>              | <b>1.8</b>            |                       |                       |            |          |           |            |
| Thymus                            | M                     | +                     | +                     | M                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | <b>39</b>  |          |           |            |
| Atrophy                           | 2                     |                       | 3                     |                       | 4                     |                       | 1                     |                       | 4                     |                       | 4                     |                       | 3                     |                       | 3                     |                       | 4                     |                       | 4                     |                       | 4                     |                       | 3                     |                       | 3          |          | <b>23</b> | <b>3.1</b> |
| Cyst                              |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | <b>3</b>              | <b>2.0</b>            |                       |                       |            |          |           |            |
| Hemorrhage                        |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | <b>1</b>              | <b>2.0</b>            |                       |                       |            |          |           |            |
| Hyperplasia, Lymphoid             |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | <b>1</b>              | <b>1.0</b>            |                       |                       |            |          |           |            |
| Infiltration Cellular, Histiocyte | 2                     |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | <b>1</b>              | <b>2.0</b>            |                       |                       |            |          |           |            |
| Necrosis, Lymphoid                | 3                     |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | <b>3</b>              | <b>2.7</b>            |                       |                       |            |          |           |            |
| <b>INTEGUMENTARY SYSTEM</b>       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |            |          |           |            |
| Mammary Gland                     | M                     | +                     | M                     | M                     | M                     | M                     | M                     | M                     | M                     | M                     | M                     | M                     | M                     | M                     | M                     | M                     | M                     | M                     | M                     | M                     | M                     | M                     | M                     | +                     | +          | <b>4</b> |           |            |
| Skin                              | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +          | +        | <b>50</b> |            |
| Fibrosis                          |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | 2                     |                       |                       |                       |                       |                       |                       |                       |                       |                       | <b>1</b>              | <b>2.0</b>            |                       |            |          |           |            |
| Foreign Body                      |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | <b>1</b>              | <b>3.0</b>            |                       |                       |            |          |           |            |
| Hemorrhage                        |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | <b>1</b>              | <b>2.0</b>            |                       |                       |            |          |           |            |
| Hyperkeratosis                    |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | 1                     |                       |                       |                       |                       |                       | <b>1</b>              | <b>1.0</b>            |                       |                       |                       |                       |                       |            |          |           |            |
| Inflammation, Acute               |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | 1                     |                       |                       |                       |                       |                       | <b>1</b>              | <b>1.0</b>            |                       |                       |                       |                       |                       |            |          |           |            |
| Inflammation, Chronic             | 1                     |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | <b>2</b>              | <b>1.0</b>            |                       |                       |            |          |           |            |
| Inflammation, Chronic Active      |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | 2                     |                       |                       |                       |                       |                       | <b>1</b>              | <b>2.0</b>            |                       |                       |                       |                       |                       |            |          |           |            |
| Thrombosis                        |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | <b>1</b>              | <b>2.0</b>            |                       |                       |            |          |           |            |
| Ulcer                             |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | 4                     |                       |                       |                       |                       |                       | <b>1</b>              | <b>4.0</b>            |                       |                       |                       |                       |                       |            |          |           |            |
| Epidermis, Tail, Hyperplasia      |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | 1                     |                       |                       |                       |                       |                       | <b>2</b>              | <b>1.0</b>            |                       |                       |                       |                       |                       |            |          |           |            |
| <b>MUSCULOSKELETAL SYSTEM</b>     |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |            |          |           |            |
| Bone                              | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +          | +        | <b>49</b> |            |

\* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade  
 + .. Tissue examined microscopically  
 X .. Lesion present  
 I .. Insufficient tissue  
 M .. Missing tissue  
 A .. Autolysis precludes evaluation  
 BLANK .. Not examined microscopically  
 1-4 .. Lesion qualified as:  
 1) Minimal 3) Moderate  
 2) Mild 4) Marked

Experiment Number: 20209 - 04

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: MICE/B6C3F1

**P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL**

Pentabromodiphenyl oxide (technical) (DE 71)

CAS Number: 32534-81-9

Date Report Requested: 09/10/2014

Time Report Requested: 08:48:43

First Dose M/F: 02/25/08 / 02/25/08

Lab: SRI

|                         |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |                 |   |   |   |
|-------------------------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------------|---|---|---|
| <b>B6C3F1 MICE MALE</b> | DAY ON TEST | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0               | 0 | 0 |   |
|                         |             | 4 | 5 | 5 | 5 | 5 | 5 | 0 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 4 | 5 | 5 | 5 | 4 | 5               | 5 | 5 | 5 |
|                         |             | 5 | 4 | 4 | 1 | 3 | 4 | 0 | 0 | 3 | 4 | 4 | 1 | 4 | 4 | 4 | 4 | 5 | 4 | 3 | 3 | 7 | 4               | 3 | 4 | 3 |
| <b>100 MG/KG</b>        | ANIMAL ID   | 1 | 3 | 3 | 5 | 7 | 3 | 3 | 1 | 0 | 3 | 3 | 5 | 3 | 3 | 3 | 3 | 1 | 3 | 5 | 5 | 7 | 3               | 5 | 3 |   |
|                         |             | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0               | 0 | 0 | 0 |
|                         |             | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0               | 0 | 0 | 0 |
|                         |             | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1               | 1 | 2 |   |
|                         |             | 7 | 7 | 7 | 7 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9               | 9 | 0 |   |
|                         |             | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7               | 8 | 9 | 0 |
|                         |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | <b>* TOTALS</b> |   |   |   |

Tail, Callus 2 1 2.0

**NERVOUS SYSTEM**

|                           |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |       |
|---------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|-------|
| Brain                     | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |       |
| Cyst Epithelial Inclusion |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    | 1 4.0 |
| Hemorrhage                |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    | 5 1.2 |
| Inflammation, Acute       |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    | 1 1.0 |

**RESPIRATORY SYSTEM**

|                                   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |       |
|-----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|-------|
| Lung                              | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |       |
| Congestion                        | 3 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    | 2 2.5 |
| Foreign Body                      |   |   |   |   |   |   |   |   | 3 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    | 1 3.0 |
| Hemorrhage                        | 3 |   |   |   |   | 1 |   |   |   |   |   |   |   |   |   | 1 |   |   |   |   |   |   |   |   |   |    | 3 1.7 |
| Hyperplasia                       |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    | 1 1.0 |
| Infiltration Cellular, Histiocyte |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1 |   |    | 1 1.0 |
| Inflammation, Acute               |   |   |   |   |   |   |   | 2 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    | 1 2.0 |
| Inflammation, Chronic             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    | 1 1.0 |
| Metaplasia, Osseous               |   |   |   |   |   |   |   |   |   |   | 1 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    | 1 1.0 |
| Mineralization                    |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    | 2 1.0 |
| Alveolar Epithelium, Hypertrophy  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1 |   |    | 1 1.0 |
| Nose                              | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |       |
| Foreign Body                      |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    | 5 2.0 |
| Inflammation, Acute               | 2 |   | 1 |   |   |   |   |   |   |   |   |   |   |   |   | 2 |   |   |   |   |   |   |   |   |   |    | 6 1.3 |
| Trachea                           | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 47 |       |

**SPECIAL SENSES SYSTEM**

\* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade  
+ .. Tissue examined microscopically      M .. Missing tissue  
X .. Lesion present                              A .. Autolysis precludes evaluation  
I .. Insufficient tissue                        BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:  
1) Minimal 3) Moderate  
2) Mild 4) Marked

Experiment Number: 20209 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

**P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL**  
 Pentabromodiphenyl oxide (technical) (DE 71)  
 CAS Number: 32534-81-9

Date Report Requested: 09/10/2014  
 Time Report Requested: 08:48:43  
 First Dose M/F: 02/25/08 / 02/25/08  
 Lab: SRI

| B6C3F1 MICE MALE<br><br>100 MG/KG       | DAY ON TEST | ANIMAL ID |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | * TOTALS |     |
|---|-------------|-----------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----------|-----|
|   |             | 0         | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |   |          |     |
|   |             | 4         | 5 | 5 | 5 | 5 | 5 | 0 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 4 | 5 | 5 | 5 | 4 | 5 | 5 | 5 | 5 |          |     |
| Eye                                     |             | A         | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 46       |     |
| Harderian Gland                         |             | +         | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50       |     |
| <b>URINARY SYSTEM</b>                   |             |           |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |          |     |
| Kidney                                  |             | +         | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50       |     |
| Infiltration Cellular, Mononuclear Cell |             | 1         | 1 |   |   |   | 1 |   | 1 | 1 | 1 | 1 |   | 1 | 1 | 1 | 1 | 1 |   |   | 1 |   | 1 | 1 | 1 | 26       | 1.0 |
| Mineralization                          |             |           |   |   |   |   |   |   |   |   |   | 1 |   |   |   |   | 1 |   |   |   | 1 | 1 |   |   |   | 6        | 1.0 |
| Nephropathy                             |             |           |   |   | 1 |   |   |   | 1 |   |   |   |   | 1 | 1 |   |   |   |   | 1 |   |   |   |   |   | 9        | 1.0 |
| Renal Tubule, Dilatation                |             |           | 1 |   |   |   |   |   |   | 1 |   |   |   |   |   |   |   |   |   | 1 |   |   |   |   |   | 9        | 1.0 |
| Urinary Bladder                         |             | +         | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48       |     |

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

\* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade  
 + .. Tissue examined microscopically  
 X .. Lesion present  
 I .. Insufficient tissue  
 M .. Missing tissue  
 A .. Autolysis precludes evaluation  
 BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:  
 1) Minimal 3) Moderate  
 2) Mild 4) Marked

Experiment Number: 20209 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL  
 Pentabromodiphenyl oxide (technical) (DE 71)  
 CAS Number: 32534-81-9

Date Report Requested: 09/10/2014  
 Time Report Requested: 08:48:43  
 First Dose M/F: 02/25/08 / 02/25/08  
 Lab: SRI

| B6C3F1 MICE FEMALE | DAY ON TEST |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | females<br>(cont...) |      |
|--------------------|-------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|----------------------|------|
|                    | 0733        | 0004 | 0067 | 0068 | 0073 | 0077 | 0077 | 0077 | 0077 | 0057 | 0077 | 0077 | 0033 | 0055 | 0077 | 0077 | 0055 | 0044 | 0077 | 0077 | 0077 | 0066 | 0066 | 0066 |                      | 0066 |
| 0 MG/KG            | 0000        | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000                 | 0000 |
|                    | 2201        | 2202 | 2203 | 2204 | 2205 | 2206 | 2207 | 2208 | 2209 | 2210 | 2211 | 2212 | 2213 | 2214 | 2215 | 2216 | 2217 | 2218 | 2219 | 2220 | 2221 | 2222 | 2223 | 2224 | 2225                 | 2226 |

**ALIMENTARY SYSTEM**

|  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Esophagus<br>Necrosis<br>Muscularis, Degeneration        | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
|  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Gallbladder  | + | M | + | + | + | + | + | + | A | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + |
| Intestine Large, Cecum                                   | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Large, Colon                                   | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Large, Rectum                                  | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Small, Duodenum                                | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Small, Ileum<br>Hyperplasia, Lymphoid<br>Ulcer | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Small, Jejunum                                 | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Liver  | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Basophilic Focus   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Eosinophilic Focus                                       |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Fatty Change   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Fibrosis   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Hematopoietic Cell Proliferation                         |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Hemorrhage   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Inflammation, Chronic                                    |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Necrosis, Focal  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |

\* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade  
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 I .. Insufficient tissue

M .. Missing tissue  
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1-4 .. Lesion qualified as:  
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Experiment Number: 20209 - 04

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Pentabromodiphenyl oxide (technical) (DE 71)

CAS Number: 32534-81-9

Date Report Requested: 09/10/2014

Time Report Requested: 08:48:43

First Dose M/F: 02/25/08 / 02/25/08

Lab: SRI

| B6C3F1 MICE FEMALE<br>0 MG/KG           | DAY ON TEST      |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  | ANIMAL ID | females<br>(cont...) |                  |
|---|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|-----------|----------------------|------------------|
|   | 0<br>7<br>3<br>3 | 0<br>0<br>0<br>4 | 0<br>6<br>9<br>7 | 0<br>6<br>8<br>0 | 0<br>7<br>3<br>3 | 0<br>7<br>3<br>2 | 0<br>7<br>3<br>2 | 0<br>7<br>3<br>2 | 0<br>5<br>7<br>9 | 0<br>7<br>3<br>2 | 0<br>7<br>3<br>2 | 0<br>3<br>4<br>0 | 0<br>5<br>8<br>9 | 0<br>7<br>3<br>2 | 0<br>7<br>3<br>2 | 0<br>5<br>8<br>7 | 0<br>4<br>3<br>8 | 0<br>7<br>3<br>3 | 0<br>7<br>3<br>3 | 0<br>6<br>6<br>2 |           |                      | 0<br>6<br>9<br>8 |
| Tension Lipidosis                       | 2                |                  |                  |                  |                  |                  |                  |                  |                  |                  | 2                |                  |                  |                  |                  |                  |                  |                  |                  |                  |           |                      |                  |
| Kupffer Cell, Pigmentation              |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |           |                      |                  |
| Mesentery                               |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |           |                      |                  |
| Inflammation, Chronic Active            |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |           |                      |                  |
| Fat, Necrosis                           |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |           |                      |                  |
| Pancreas                                |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |           |                      |                  |
| Atrophy                                 |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |           |                      |                  |
| Cyst                                    |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |           |                      |                  |
| Inflammation, Chronic                   |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |           |                      |                  |
| Necrosis                                |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |           |                      |                  |
| Salivary Glands                         |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |           |                      |                  |
| Atrophy                                 |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |           |                      |                  |
| Infiltration Cellular, Mononuclear Cell |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |           |                      |                  |
| Mineralization                          |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |           |                      |                  |
| Necrosis                                |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |           |                      |                  |
| Stomach, Forestomach                    |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |           |                      |                  |
| Cyst                                    |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |           |                      |                  |
| Edema                                   |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |           |                      |                  |
| Hemorrhage                              |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |           |                      |                  |
| Inflammation                            |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |           |                      |                  |
| Inflammation, Chronic                   |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |           |                      |                  |
| Ulcer                                   |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |           |                      |                  |
| Epithelium, Hyperplasia                 |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |           |                      |                  |
| Stomach, Glandular                      |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |           |                      |                  |
| Erosion                                 |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |           |                      |                  |
| Inflammation, Acute                     |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |           |                      |                  |

\* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

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BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

Experiment Number: 20209 - 04

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Pentabromodiphenyl oxide (technical) (DE 71)

CAS Number: 32534-81-9

Date Report Requested: 09/10/2014

Time Report Requested: 08:48:43

First Dose M/F: 02/25/08 / 02/25/08

Lab: SRI

|                           |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|---------------------------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| <b>B6C3F1 MICE FEMALE</b> | DAY ON TEST | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |   |
|                           |             | 7 | 0 | 6 | 6 | 7 | 7 | 7 | 7 | 5 | 7 | 7 | 3 | 5 | 7 | 7 | 5 | 4 | 7 | 7 | 7 | 6 | 6 | 6 | 6 |
|                           |             | 3 | 0 | 9 | 8 | 3 | 3 | 3 | 3 | 7 | 3 | 3 | 4 | 8 | 3 | 3 | 8 | 3 | 3 | 3 | 3 | 3 | 9 | 5 | 8 |
| <b>0 MG/KG</b>            | ANIMAL ID   | 3 | 4 | 7 | 0 | 3 | 2 | 2 | 2 | 9 | 2 | 2 | 0 | 9 | 2 | 2 | 7 | 8 | 3 | 3 | 3 | 2 | 8 | 6 |   |
|                           |             | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |   |
|                           |             | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |   |
|                           |             | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |   |   |
|                           |             | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 |   |   |
|                           |             | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 |   |   |

females (cont...)

|  |   |  |  |  |  |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |
|--|---|--|--|--|--|--|--|--|---|--|--|--|---|--|--|--|---|--|--|--|
| Mineralization   | 1 |  |  |  |  |  |  |  | 2 |  |  |  | 2 |  |  |  | 1 |  |  |  |
| Epithelium, Vacuolization Cytoplasmic Glands, Ectasia, Focal |   |  |  |  |  |  |  |  |   |  |  |  | 2 |  |  |  |   |  |  |  |

CARDIOVASCULAR SYSTEM

|                           |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|---------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Blood Vessel Inflammation | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Mineralization            |   |   |   |   |   |   |   |   |   |   |   |   | 4 |   |   |   |   |   |   |   |   |   |   |   |
| Heart Cardiomyopathy      | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |   |
| Mineralization            |   |   |   |   |   |   |   |   | 1 |   | 1 |   |   |   | 1 |   |   |   |   |   |   |   |   |   |
| Valve, Thrombosis         |   |   |   |   |   |   |   |   |   |   |   |   | 1 |   |   |   |   |   |   |   |   |   |   |   |

ENDOCRINE SYSTEM

|  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Adrenal Cortex Accessory Adrenal Cortical Nodule | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Degeneration, Fatty                              |   |   |   |   |   |   |   |   | 2 |   | 2 |   |   |   | 2 |   |   |   |   |   |   |   |   |
| Hyperplasia                                      |   |   |   |   |   |   | 2 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Hypertrophy, Focal                               |   |   |   |   |   |   | 2 |   | 1 |   |   |   | 1 |   |   |   |   |   |   |   |   |   |   |
| Capsule, Hyperplasia                             | 4 |   | 2 | 3 | 2 | 2 | 3 | 4 | 2 | 3 | 2 | 2 | 2 | 2 | 2 | 2 | 3 | 2 | 3 | 3 | 2 | 3 | 2 |
| Adrenal Medulla Hyperplasia                      | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
|  |   |   |   |   |   |   |   |   |   |   |   |   | 1 |   |   |   |   |   |   |   |   |   |   |
| Islets, Pancreatic Hyperplasia                   | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
|  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1 |   |   |

\* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade  
+ .. Tissue examined microscopically  
X .. Lesion present  
I .. Insufficient tissue  
M .. Missing tissue  
A .. Autolysis precludes evaluation  
BLANK .. Not examined microscopically  
1-4 .. Lesion qualified as:  
1) Minimal 3) Moderate  
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Experiment Number: 20209 - 04

Test Type: CHRONIC

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Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Pentabromodiphenyl oxide (technical) (DE 71)

CAS Number: 32534-81-9

Date Report Requested: 09/10/2014

Time Report Requested: 08:48:43

First Dose M/F: 02/25/08 / 02/25/08

Lab: SRI

| B6C3F1 MICE FEMALE<br>0 MG/KG               | DAY ON TEST |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | females<br>(cont...) |      |  |
|---|-------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|----------------------|------|--|
|   | 0733        | 0004 | 0067 | 0068 | 0073 | 0077 | 0077 | 0077 | 0057 | 0077 | 0077 | 0033 | 0055 | 0077 | 0077 | 0055 | 0044 | 0077 | 0077 | 0077 | 0066 | 0066 | 0066 | 0066 |                      | 0077 |  |
| ANIMAL ID                                   | 0001        | 0002 | 0003 | 0004 | 0005 | 0006 | 0007 | 0008 | 0009 | 0010 | 0011 | 0012 | 0013 | 0014 | 0015 | 0016 | 0017 | 0018 | 0019 | 0020 | 0021 | 0022 | 0023 | 0024 | 0025                 |      |  |
| Parathyroid Gland Cyst                      | +           | M    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | M    | +    | +    | +    | +    | +    | +    | +                    |      |  |
| Pituitary Gland Pars Distalis, Cyst         | +           | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | 2    | +    | +    | +    | +                    |      |  |
| Pituitary Gland Pars Distalis, Hyperplasia  |             |      |      |      | 1    |      |      |      |      | 2    | 2    |      |      |      | 2    | 1    |      | 3    |      |      |      |      |      | 1    |                      |      |  |
| Pituitary Gland Rathke's Cleft, Cyst        |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |                      |      |  |
| Thyroid Gland Inflammation, Chronic         | +           | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +                    |      |  |
| Thyroid Gland Follicle, Cyst                |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      | X    |      |      |      |      |      |      |      |      |                      |      |  |
| Thyroid Gland Follicle, Degeneration        |             |      |      | 2    | 1    |      | 2    | 1    |      | 1    |      |      | 3    |      | 3    | 1    | 3    | 2    | 2    |      | 2    | 4    | 4    | 2    |                      |      |  |
| Thyroid Gland Follicle, Hypertrophy         |             | 1    |      |      |      | 1    | 1    | 1    |      |      | 1    |      | 1    | 1    | 1    | 1    | 2    | 2    | 1    | 2    |      |      |      | 1    | 1                    |      |  |
| <b>GENERAL BODY SYSTEM</b>                  |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |                      |      |  |
| Tissue NOS                                  |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | +                    |      |  |
| <b>GENITAL SYSTEM</b>                       |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |                      |      |  |
| Clitoral Gland Cyst                         | +           | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | M                    |      |  |
| Clitoral Gland Inflammation, Acute          |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |                      |      |  |
| Clitoral Gland Inflammation, Chronic Active |             |      |      | 1    |      | 1    |      |      |      |      |      |      |      |      | 1    |      |      |      |      |      |      | 1    |      |      |                      |      |  |
| Ovary Abscess, Chronic Active               | +           | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | M    | +    | +    | +    | +    | +    | +    | +                    |      |  |
| Ovary Angiectasis                           |             |      |      |      |      |      |      |      |      |      |      |      | 4    |      |      |      |      |      |      |      |      |      |      |      |                      |      |  |
| Ovary Cyst                                  |             |      |      | 2    | 2    |      |      |      |      |      | 2    |      |      |      |      |      |      |      |      |      | 2    |      | 2    |      |                      |      |  |
| Uterus                                      | +           | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +                    |      |  |

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| B6C3F1 MICE FEMALE | DAY ON TEST |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | females<br>(cont...) |
|--------------------|-------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|----------------------|
|                    | 0733        | 0044 | 0667 | 0667 | 0777 | 0777 | 0777 | 0777 | 0577 | 0777 | 0777 | 0335 | 0577 | 0777 | 0577 | 0477 | 0777 | 0777 | 0777 | 0666 | 0666 | 0666 | 0667 | 0777 |                      |
| 0 MG/KG            | 0000        | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 |                      |
|                    | 2           | 2    | 2    | 2    | 2    | 2    | 2    | 2    | 2    | 2    | 2    | 2    | 2    | 2    | 2    | 2    | 2    | 2    | 2    | 2    | 2    | 2    | 2    | 2    |                      |
|                    | 0           | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 1    | 1    | 1    | 1    | 1    | 1    | 1    | 1    | 1    | 1    | 2    | 2    | 2    | 2    | 2    |                      |
|                    | 1           | 2    | 3    | 4    | 5    | 6    | 7    | 8    | 9    | 0    | 1    | 2    | 3    | 4    | 5    | 6    | 7    | 8    | 9    | 0    | 1    | 2    | 3    | 4    |                      |

Angiectasis

Cyst

Edema

Hemorrhage

Hyperplasia, Cystic

Inflammation, Histiocytic

Inflammation, Acute

Necrosis

Thrombosis

3

2 1 1 2 2 3 2 4 3 1 4 1 3 3 1 2 4 3 4 4 4 2 3

4

4

HEMATOPOIETIC SYSTEM

Bone Marrow

Infiltration Cellular, Histiocyte

Myeloid Cell, Hyperplasia

+ +

Lymph Node

Ectasia

Hemorrhage

Pigmentation

Iliac, Hyperplasia, Lymphoid

+ + + +

4 4

2 4

3

4

Lymph Node, Mandibular

Atrophy

Ectasia

Fibrosis

Hyperplasia, Lymphoid

Hyperplasia, Plasma Cell

Inflammation, Chronic Active

Pigmentation

+ + + + + + + + + + + I + + + + + + + + + + + +

2

2

2

2

2 3 1 2 2 2 2 1 2 2 2 2 3 1 1 3 2 4

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+ .. Tissue examined microscopically

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Lab: SRI

| B6C3F1 MICE FEMALE | DAY ON TEST |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  | females<br>(cont...) |
|--------------------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|----------------------|
|                    | 0           | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  |                      |
| 0 MG/KG            | ANIMAL ID   | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  |                      |
|                    |             | 7 | 0 | 6 | 6 | 7 | 7 | 7 | 7 | 5 | 7 | 7 | 3 | 5 | 7 | 7 | 5 | 4 | 7 | 7 | 7 | 6 | 6 |  |                      |
|                    |             | 3 | 0 | 9 | 8 | 3 | 3 | 3 | 3 | 7 | 3 | 3 | 4 | 8 | 3 | 3 | 8 | 3 | 3 | 3 | 3 | 9 | 5 |  |                      |
|                    |             | 3 | 4 | 7 | 0 | 3 | 2 | 2 | 2 | 9 | 2 | 2 | 0 | 9 | 2 | 2 | 7 | 8 | 3 | 3 | 3 | 2 | 8 |  |                      |
|                    |             | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  |                      |
|                    |             | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  |                      |
|                    |             | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |  |                      |
|                    |             | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 |  |                      |
|                    |             | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 |  |                      |

Lymph Node, Mesenteric  
Atrophy  
Hyperplasia, Lymphoid  
Hyperplasia, Plasma Cell

+  
2

Spleen  
Atrophy  
Hematopoietic Cell Proliferation  
Necrosis  
Pigmentation  
Lymphoid Follicle, Atrophy  
Lymphoid Follicle, Hyperplasia  
Lymphoid Follicle, Hyperplasia, Plasma Cell  
Lymphoid Follicle, Hyperplasia, Focal

+  
2  
2 3 2 1 3 1 2 2 3  
4  
2 1 1 1 1 3 1 1 2 2 2 2 3  
2  
2 1 1  
2 2  
2

Thymus  
Atrophy  
Cyst  
Hyperplasia, Lymphoid  
Mineralization  
Necrosis, Lymphoid

+  
1 4 1 4 1 2 4 3 1 2 1 2  
2 2 2  
1 1 2 2 1 2 2  
1  
1 2

INTEGUMENTARY SYSTEM

Mammary Gland  
Galactocele  
Hyperplasia  
Inflammation, Chronic

+  
2 1 1 2 1 1 1 1 1 1 1 1 1 1

Skin

+ +

\* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

X .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

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| B6C3F1 MICE FEMALE | DAY ON TEST           |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | ANIMAL ID | females<br>(cont...) |
|--------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------|----------------------|
|                    | 0<br>7<br>3<br>3      | 0<br>0<br>0<br>4      | 0<br>6<br>9<br>7      | 0<br>6<br>8<br>0      | 0<br>7<br>3<br>3      | 0<br>7<br>3<br>2      | 0<br>7<br>3<br>2      | 0<br>7<br>3<br>2      | 0<br>5<br>7<br>9      | 0<br>7<br>3<br>2      | 0<br>7<br>3<br>2      | 0<br>3<br>4<br>0      | 0<br>5<br>8<br>9      | 0<br>7<br>3<br>2      | 0<br>7<br>3<br>2      | 0<br>5<br>8<br>7      | 0<br>4<br>3<br>8      | 0<br>7<br>3<br>3      | 0<br>7<br>3<br>3      | 0<br>6<br>3<br>2      | 0<br>6<br>9<br>8      | 0<br>6<br>5<br>6      | 0<br>6<br>8<br>4      | 0<br>7<br>3<br>2      |                       |           |                      |
| 0 MG/KG            | 0<br>0<br>2<br>0<br>1 | 0<br>0<br>2<br>0<br>2 | 0<br>0<br>2<br>0<br>3 | 0<br>0<br>2<br>0<br>4 | 0<br>0<br>2<br>0<br>5 | 0<br>0<br>2<br>0<br>6 | 0<br>0<br>2<br>0<br>7 | 0<br>0<br>2<br>0<br>8 | 0<br>0<br>2<br>0<br>9 | 0<br>0<br>2<br>0<br>0 | 0<br>0<br>2<br>0<br>1 | 0<br>0<br>2<br>0<br>2 | 0<br>0<br>2<br>0<br>3 | 0<br>0<br>2<br>0<br>4 | 0<br>0<br>2<br>0<br>5 | 0<br>0<br>2<br>0<br>6 | 0<br>0<br>2<br>0<br>7 | 0<br>0<br>2<br>0<br>8 | 0<br>0<br>2<br>0<br>9 | 0<br>0<br>2<br>0<br>0 | 0<br>0<br>2<br>0<br>1 | 0<br>0<br>2<br>0<br>2 | 0<br>0<br>2<br>0<br>3 | 0<br>0<br>2<br>0<br>4 | 0<br>0<br>2<br>0<br>5 |           |                      |

|                                 |   |  |  |   |  |  |  |  |  |  |   |  |  |  |  |   |  |  |  |   |  |  |  |  |  |
|---------------------------------|---|--|--|---|--|--|--|--|--|--|---|--|--|--|--|---|--|--|--|---|--|--|--|--|--|
| Cyst Epithelial Inclusion       |   |  |  |   |  |  |  |  |  |  | 2 |  |  |  |  | 3 |  |  |  |   |  |  |  |  |  |
| Fibrosis                        |   |  |  | 1 |  |  |  |  |  |  |   |  |  |  |  |   |  |  |  |   |  |  |  |  |  |
| Foreign Body                    | 1 |  |  |   |  |  |  |  |  |  |   |  |  |  |  |   |  |  |  |   |  |  |  |  |  |
| Hemorrhage                      | 2 |  |  |   |  |  |  |  |  |  |   |  |  |  |  |   |  |  |  |   |  |  |  |  |  |
| Hyperkeratosis                  | 2 |  |  |   |  |  |  |  |  |  |   |  |  |  |  |   |  |  |  |   |  |  |  |  |  |
| Inflammation, Granulomatous     |   |  |  |   |  |  |  |  |  |  |   |  |  |  |  |   |  |  |  |   |  |  |  |  |  |
| Inflammation, Acute             | 2 |  |  |   |  |  |  |  |  |  |   |  |  |  |  |   |  |  |  |   |  |  |  |  |  |
| Inflammation, Chronic           | 1 |  |  |   |  |  |  |  |  |  |   |  |  |  |  |   |  |  |  |   |  |  |  |  |  |
| Inflammation, Chronic Active    |   |  |  |   |  |  |  |  |  |  | 1 |  |  |  |  |   |  |  |  |   |  |  |  |  |  |
| Ulcer                           | 4 |  |  | 4 |  |  |  |  |  |  |   |  |  |  |  |   |  |  |  |   |  |  |  |  |  |
| Epidermis, Tail, Hyperkeratosis |   |  |  |   |  |  |  |  |  |  |   |  |  |  |  |   |  |  |  | 4 |  |  |  |  |  |
| Epidermis, Tail, Hyperplasia    |   |  |  |   |  |  |  |  |  |  |   |  |  |  |  |   |  |  |  | 1 |  |  |  |  |  |
| Lip, Inflammation, Chronic      | 1 |  |  |   |  |  |  |  |  |  |   |  |  |  |  |   |  |  |  |   |  |  |  |  |  |

### MUSCULOSKELETAL SYSTEM

|                      |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|----------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Bone                 | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |   |   |   |
| Fibro-Osseous Lesion | 1 |   |   | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 1 | 2 | 2 | 2 | 1 | 1 | 1 | 1 |   | 1 | 1 | 1 | 1 |
| Tail, Callus         | 1 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Skeletal Muscle      |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | + |   |   |   |   |   |   |   |   |

### NERVOUS SYSTEM

|   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Brain                                   | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Compression                             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Hemorrhage                              |   |   |   |   |   |   |   |   |   |   | 1 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Infiltration Cellular, Mononuclear Cell |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Meninges, Inflammation, Chronic         |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |

### Peripheral Nerve

\* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade  
 + .. Tissue examined microscopically  
 X .. Lesion present  
 I .. Insufficient tissue

M .. Missing tissue  
 A .. Autolysis precludes evaluation  
 BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:  
 1) Minimal 3) Moderate  
 2) Mild 4) Marked

Experiment Number: 20209 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

**P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL**  
 Pentabromodiphenyl oxide (technical) (DE 71)  
 CAS Number: 32534-81-9

Date Report Requested: 09/10/2014  
 Time Report Requested: 08:48:43  
 First Dose M/F: 02/25/08 / 02/25/08  
 Lab: SRI

| B6C3F1 MICE FEMALE<br>0 MG/KG | DAY ON TEST      |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  | ANIMAL ID | females<br>(cont...) |                  |                  |                       |                  |
|-------------------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|-----------|----------------------|------------------|------------------|-----------------------|------------------|
|                               | 0<br>7<br>3<br>3 | 0<br>0<br>0<br>4 | 0<br>6<br>9<br>7 | 0<br>6<br>8<br>0 | 0<br>7<br>3<br>3 | 0<br>7<br>3<br>2 | 0<br>7<br>3<br>2 | 0<br>7<br>3<br>2 | 0<br>5<br>7<br>9 | 0<br>7<br>3<br>2 | 0<br>7<br>3<br>2 | 0<br>3<br>4<br>0 | 0<br>5<br>8<br>9 | 0<br>7<br>3<br>2 | 0<br>7<br>3<br>2 | 0<br>5<br>8<br>7 | 0<br>4<br>3<br>8 | 0<br>7<br>3<br>3 | 0<br>7<br>3<br>3 | 0<br>6<br>6<br>2 |           |                      | 0<br>6<br>9<br>8 | 0<br>6<br>5<br>6 | 0<br>6<br>8<br>4      | 0<br>7<br>3<br>2 |
|                               | 0                | 0                | 0                | 0                | 0                | 0                | 0                | 0                | 0                | 0                | 0                | 0                | 0                | 0                | 0                | 0                | 0                | 0                | 0                | 0                | 0         | 0                    | 0                | 0                | 0<br>0<br>2<br>0<br>1 |                  |

Degeneration

Spinal Cord

**RESPIRATORY SYSTEM**

|                                   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|-----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Lung                              | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Congestion                        |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Fibrosis                          |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1 |   |
| Hemorrhage                        | 2 |   |   |   | 2 |   |   |   |   |   |   | 1 |   | 2 |   | 2 |   | 2 |   |   |   | 1 |   |
| Infiltration Cellular, Histiocyte |   |   |   |   |   |   |   |   |   |   |   | 1 |   |   |   |   |   |   |   |   |   | 1 |   |
| Metaplasia, Osseous               |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Mineralization                    |   |   |   |   | 1 |   |   |   |   |   |   |   |   |   |   |   |   | 1 |   |   |   |   |   |
| Thrombosis                        |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1 |
| Nose                              | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Foreign Body                      |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Inflammation, Acute               |   |   |   |   |   |   |   |   | 1 |   |   |   |   |   |   |   |   |   |   |   |   | 2 |   |
| Trachea                           | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |

**SPECIAL SENSES SYSTEM**

|                 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|-----------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Eye             | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Harderian Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Hyperplasia     |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 2 |   |

**URINARY SYSTEM**

|        |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|--------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Kidney | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
|--------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|

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X .. Lesion present

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Experiment Number: 20209 - 04

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CAS Number: 32534-81-9

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Time Report Requested: 08:48:43

First Dose M/F: 02/25/08 / 02/25/08

Lab: SRI

| B6C3F1 MICE FEMALE<br>0 MG/KG                          | DAY ON TEST |      | ANIMAL ID |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | females<br>(cont...) |      |
|--|-------------|------|-----------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|----------------------|------|
|  | 0733        | 0667 | 0677      | 0677 | 0677 | 0677 | 0677 | 0677 | 0677 | 0677 | 0677 | 0677 | 0677 | 0677 | 0677 | 0677 | 0677 | 0677 | 0677 | 0677 | 0677 | 0677 |                      | 0677 |
| Infiltration Cellular, Mononuclear Cell Mineralization | 1           |      | 1         | 2    | 1    | 2    | 2    | 1    |      | 1    | 1    |      | 2    |      | 1    |      | 1    | 1    |      | 1    | 1    |      | 1                    | 1    |
| Nephropathy  | 1           |      |           |      |      | 1    |      |      |      |      |      |      | 4    |      | 1    |      |      |      | 2    |      |      | 1    |                      |      |
| Renal Tubule, Dilatation                               | 1           |      | 1         |      | 1    |      |      |      |      |      | 1    | 1    |      |      | 1    |      | 1    | 1    | 1    | 1    | 1    | 1    | 1                    | 1    |
| Urinary Bladder Hyperplasia, Lymphoid                  | +           | +    | +         | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +                    | +    |

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| B6C3F1 MICE FEMALE | DAY ON TEST     |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        | * TOTALS |
|--------------------|-----------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|----------|
|                    | 0733            | 0733   | 0733   | 0733   | 0733   | 0732   | 0673   | 0773   | 0773   | 0773   | 0573   | 0773   | 0773   | 0773   | 0773   | 0666   | 0667   | 0773   | 0773   | 0773   | 0666   | 0773   | 0773   |        |          |
| 0 MG/KG            | ANIMAL ID       |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |          |
|                    | 002226          | 000222 | 000222 | 000222 | 000222 | 000222 | 000222 | 000222 | 000222 | 000222 | 000222 | 000222 | 000222 | 000222 | 000222 | 000222 | 000222 | 000222 | 000222 | 000222 | 000222 | 000222 | 000222 | 000222 |          |
|                    | 678901234567890 | 000000 | 000000 | 000000 | 000000 | 000000 | 000000 | 000000 | 000000 | 000000 | 000000 | 000000 | 000000 | 000000 | 000000 | 000000 | 000000 | 000000 | 000000 | 000000 | 000000 | 000000 | 000000 |        |          |

**ALIMENTARY SYSTEM**

|   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |       |       |       |       |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|-------|-------|-------|-------|
| Esophagus<br>Necrosis<br>Muscularis, Degeneration   | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | 1 1.0 | 1 2.0 |       |       |
| Gallbladder   | + | + | + | + | + | + | A | + | + | + | + | + | + | + | A | + | + | + | + | + | + | A | + | +  | +     | 44    |       |       |
| Intestine Large, Cecum  | + | + | + | + | + | + | A | + | + | + | + | + | + | + | A | + | + | + | + | + | + | A | + | +  | +     | 46    |       |       |
| Intestine Large, Colon  | + | + | + | + | + | + | A | + | + | + | + | + | + | + | A | + | + | + | + | + | + | A | + | +  | +     | 47    |       |       |
| Intestine Large, Rectum   | + | + | + | + | + | + | A | + | + | + | + | + | + | + | A | + | + | + | + | + | + | A | + | +  | +     | 47    |       |       |
| Intestine Small, Duodenum   | + | + | + | + | + | + | A | + | + | + | + | + | + | + | A | + | + | + | + | + | + | A | + | +  | +     | 46    |       |       |
| Intestine Small, Ileum<br>Hyperplasia, Lymphoid<br>Ulcer  | + | + | + | + | + | + | A | + | + | + | + | + | + | + | A | + | + | + | + | + | + | A | + | +  | +     | 46    | 1 2.0 | 1 4.0 |
| Intestine Small, Jejunum  | + | + | + | + | + | + | A | + | + | + | + | + | + | + | A | + | + | + | + | + | + | A | + | +  | +     | 46    |       |       |
| Liver<br>Basophilic Focus<br>Eosinophilic Focus<br>Fatty Change<br>Fibrosis<br>Hematopoietic Cell Proliferation<br>Hemorrhage<br>Inflammation, Chronic<br>Necrosis, Focal | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | +  | 50    | 1     | 3     |       |
|   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |       |       |       |       |
|   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |       |       |       |       |
|   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |       |       |       |       |
|   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |       |       |       |       |
|   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |       |       |       |       |
|   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |       |       |       |       |
|   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |       |       |       |       |
|   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |       |       |       |       |

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| B6C3F1 MICE FEMALE<br>0 MG/KG           | DAY ON TEST |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |    | * TOTALS |
|---|-------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|----|----------|
|   | 0733        | 0733 | 0733 | 0733 | 0733 | 0732 | 0673 | 0773 | 0773 | 0773 | 0573 | 0773 | 0773 | 0773 | 0773 | 0664 | 0667 | 0773 | 0773 | 0773 | 0669 | 0773 | 0773 |    |          |
| ANIMAL ID                               | 0022        | 0022 | 0022 | 0022 | 0023 | 0021 | 0022 | 0020 | 0020 | 0020 | 0020 | 0020 | 0020 | 0020 | 0020 | 0020 | 0020 | 0020 | 0020 | 0020 | 0020 | 0020 | 0020 |    |          |
| Tension Lipidosis                       |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | 3  |          |
| Kupffer Cell, Pigmentation              |             |      |      | 1    |      |      |      |      |      |      |      | 2    |      |      |      |      |      |      | 1    |      |      |      | 1    | 3  |          |
| Mesentery                               |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |    | 11       |
| Inflammation, Chronic Active            |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | 1  |          |
| Fat, Necrosis                           |             |      |      | 2    |      |      |      |      |      |      |      | 2    |      |      | 3    |      |      |      |      |      |      | 3    | 2    | 10 |          |
| Pancreas                                |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |    | 50       |
| Atrophy                                 |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |    | 6        |
| Cyst                                    |             |      |      | 2    |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | 2    | 1  |          |
| Inflammation, Chronic                   |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | 1  |          |
| Necrosis                                |             |      |      | 1    | 1    | 1    |      | 1    | 2    |      | 1    | 1    | 1    |      | 2    |      | 1    |      | 1    | 1    | 1    | 2    |      | 29 |          |
| Salivary Glands                         |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |    | 50       |
| Atrophy                                 |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |    | 1        |
| Infiltration Cellular, Mononuclear Cell |             |      |      | 1    | 1    | 1    | 1    | 2    | 2    |      | 2    | 1    |      |      | 1    |      | 1    |      |      | 2    | 1    | 2    | 1    | 1  | 32       |
| Mineralization                          |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |    | 1        |
| Necrosis                                |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |    | 1        |
| Stomach, Forestomach                    |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |    | 50       |
| Cyst                                    |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |    | 1        |
| Edema                                   |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |    | 1        |
| Hemorrhage                              |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |    | 1        |
| Inflammation                            |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |    | 5        |
| Inflammation, Chronic                   |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |    | 2        |
| Ulcer                                   |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |    | 5        |
| Epithelium, Hyperplasia                 |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |    | 9        |
| Stomach, Glandular                      |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |    | 49       |
| Erosion                                 |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |    | 1        |
| Inflammation, Acute                     |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |    | 1        |

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Species/Strain: MICE/B6C3F1

**P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL**

Pentabromodiphenyl oxide (technical) (DE 71)

CAS Number: 32534-81-9

Date Report Requested: 09/10/2014

Time Report Requested: 08:48:43

First Dose M/F: 02/25/08 / 02/25/08

Lab: SRI

| B6C3F1 MICE FEMALE | DAY ON TEST |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |    | * TOTALS |
|--------------------|-------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|----|----------|
|                    | 0733        | 0733 | 0733 | 0733 | 0733 | 0732 | 0673 | 0772 | 0772 | 0772 | 0573 | 0773 | 0773 | 0773 | 0773 | 0668 | 0667 | 0773 | 0773 | 0669 | 0773 | 0773 | 0773 |    |          |
| 0 MG/KG            | 0022        | 0022 | 0022 | 0022 | 0033 | 0033 | 0033 | 0033 | 0033 | 0033 | 0033 | 0033 | 0033 | 0033 | 0033 | 0033 | 0033 | 0033 | 0033 | 0033 | 0033 | 0033 | 0033 | 47 |          |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |       |       |
|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|---|-------|-------|
| Mineralization   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 2 | 5 1.6 |       |
| Epithelium, Vacuolization Cytoplasmic Glands, Ectasia, Focal |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 2 | 2 3   | 4 2.3 |

**CARDIOVASCULAR SYSTEM**

|                   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |       |       |
|-------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|-------|-------|
| Blood Vessel      | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | +  | 47    | 1 2.0 |
| Inflammation      |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    | 2     | 1 4.0 |
| Mineralization    |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |       |       |
| Heart             | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | 4 1.0 |       |
| Cardiomyopathy    |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1  | 1 1.0 |       |
| Mineralization    |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    | 1 1.0 |       |
| Valve, Thrombosis |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    | 1 1.0 |       |

**ENDOCRINE SYSTEM**

|                                   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |        |
|-----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|--------|
| Adrenal Cortex                    | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | 5 2.0  |
| Accessory Adrenal Cortical Nodule |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 2  | 3 1.7  |
| Degeneration, Fatty               |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1  | 1 2.0  |
| Hemorrhage                        |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 2  | 1 2.0  |
| Hyperplasia                       |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    | 1 2.0  |
| Hypertrophy, Focal                |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 2  | 7 1.4  |
| Capsule, Hyperplasia              | 3 | 3 | 2 | 2 | 2 | 2 | 2 | 2 | 3 | 3 | 2 | 2 | 2 | 4 | 2 | 2 | 2 | 3 | 2 | 2 | 3 | 2 | 3 | 4  | 49 2.5 |
| Adrenal Medulla                   | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 | 1 1.0  |
| Hyperplasia                       |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |        |
| Islets, Pancreatic                | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | 3 1.0  |
| Hyperplasia                       |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1  |        |

\* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade  
 + .. Tissue examined microscopically  
 X .. Lesion present  
 I .. Insufficient tissue  
 M .. Missing tissue  
 A .. Autolysis precludes evaluation  
 BLANK .. Not examined microscopically  
 1-4 .. Lesion qualified as:  
 1) Minimal 3) Moderate  
 2) Mild 4) Marked

Experiment Number: 20209 - 04

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: MICE/B6C3F1

**P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL**

Pentabromodiphenyl oxide (technical) (DE 71)

CAS Number: 32534-81-9

Date Report Requested: 09/10/2014

Time Report Requested: 08:48:43

First Dose M/F: 02/25/08 / 02/25/08

Lab: SRI

| B6C3F1 MICE FEMALE                                 | DAY ON TEST |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | ANIMAL ID | * TOTALS |      |      |      |      |      |      |      |      |     |     |
|--|-------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-----------|----------|------|------|------|------|------|------|------|------|-----|-----|
|  | 0733        | 0733 | 0733 | 0733 | 0733 | 0732 | 0673 | 0772 | 0772 | 0772 | 0573 | 0773 | 0773 | 0773 | 0773 | 0668 | 0667 | 0773 | 0773 | 0669 |           |          | 0773 | 0673 | 0773 | 0773 | 0677 | 0677 | 0773 |      |     |     |
| <b>0 MG/KG</b>                                     | 0022        | 0022 | 0022 | 0022 | 0023 | 0033 | 0033 | 0033 | 0033 | 0033 | 0033 | 0033 | 0033 | 0034 | 0035 | 0036 | 0037 | 0038 | 0039 | 0040 | 0041      | 0042     | 0043 | 0044 | 0045 | 0046 | 0047 | 0048 | 0049 | 0050 |     |     |
| Parathyroid Gland Cyst                             | +           | +    | +    | +    | M    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | M    | +    | M    | M    | +         | +        | +    | +    | +    | +    | +    | +    | 44   |      |     |     |
|  |             |      |      |      |      |      |      |      |      |      |      |      |      | 2    |      |      |      |      |      |      |           |          |      |      |      |      |      |      | 2    | 2.0  |     |     |
| Pituitary Gland Pars Distalis, Cyst                | +           | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +         | +        | +    | +    | +    | +    | +    | +    | 50   |      |     |     |
| Pars Distalis, Hyperplasia                         |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |           |          |      |      |      |      |      |      | 2    | 2.0  |     |     |
| Rathke's Cleft, Cyst                               |             |      |      |      |      |      |      |      |      |      |      |      |      |      | 1    |      |      |      |      |      |           |          |      |      |      |      |      |      | 2    | 9.0  |     |     |
|  |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |           |          |      |      |      |      |      |      |      | 1    | 2.0 |     |
| Thyroid Gland Inflammation, Chronic Follicle, Cyst | +           | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +         | +        | +    | +    | +    | +    | +    | +    | 50   |      |     |     |
| Follicle, Degeneration                             |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |           |          |      |      |      |      |      |      |      | 1    | 1.0 |     |
| Follicle, Hypertrophy                              |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |           |          |      |      |      |      |      |      |      |      | 2   | 2.0 |
|  | 2           | 2    | 1    | 2    |      | 2    | 1    |      | 2    | 3    |      | 2    | 1    | 1    |      | 2    | 2    | 2    | 1    | 1    | 1         | 2        |      | 2    |      |      |      |      | 34   | 1.9  |     |     |
|  | 1           | 1    | 1    |      |      |      |      |      |      | 1    |      | 3    |      | 1    | 1    |      | 1    |      |      |      |           |          | 2    |      |      |      |      |      |      | 24   | 1.3 |     |
| <b>GENERAL BODY SYSTEM</b>                         |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |           |          |      |      |      |      |      |      |      |      |     |     |
| Tissue NOS   |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |           |          |      |      |      |      |      |      |      | 1    |     |     |
| <b>GENITAL SYSTEM</b>                              |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |           |          |      |      |      |      |      |      |      |      |     |     |
| Clitoral Gland Cyst                                | +           | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +         | +        | +    | +    | +    | +    | +    | +    | +    | 49   |     |     |
| Inflammation, Acute                                |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |           |          |      |      |      |      |      |      |      | 2    | 1.0 |     |
| Inflammation, Chronic Active                       |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |           |          |      |      |      |      |      |      |      | 4    | 1.0 |     |
|  |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |           |          |      |      |      |      |      |      |      | 1    | 5.0 |     |
| Ovary Abscess, Chronic Active                      | +           | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | M         | +        | +    | +    | +    | +    | +    | +    | 48   |      |     |     |
| Angiectasis  |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |           |          |      |      |      |      |      |      |      |      | 1   | 4.0 |
| Cyst   |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |           |          |      |      |      |      |      |      |      |      | 2   | 2.0 |
|  |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |           |          |      |      |      |      |      |      |      |      | 13  | 2.0 |
| Uterus   | +           | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +         | +        | +    | +    | +    | +    | +    | +    | +    | 50   |     |     |

\* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

X .. Lesion present

I .. Insufficient tissue

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BLANK .. Not examined microscopically

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| B6C3F1 MICE FEMALE<br>0 MG/KG     | DAY ON TEST | 0<br>7<br>3<br>3      | 0<br>7<br>3<br>3      | 0<br>7<br>3<br>3      | 0<br>7<br>3<br>3      | 0<br>7<br>3<br>3      | 0<br>7<br>3<br>2      | 0<br>6<br>8<br>2      | 0<br>7<br>3<br>2      | 0<br>7<br>3<br>2      | 0<br>7<br>3<br>2      | 0<br>5<br>3<br>2      | 0<br>7<br>3<br>1      | 0<br>7<br>3<br>1      | 0<br>7<br>3<br>1      | 0<br>6<br>0<br>1      | 0<br>6<br>8<br>4      | 0<br>7<br>3<br>1      | 0<br>7<br>3<br>1      | 0<br>7<br>3<br>3      | 0<br>6<br>9<br>3      | 0<br>7<br>3<br>3      | 0<br>7<br>3<br>3      | 0<br>7<br>3<br>3      |  |                       |          |        |        |  |
|-----------------------------------|-------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|--|-----------------------|----------|--------|--------|--|
|                                   | ANIMAL ID   | 0<br>0<br>2<br>2<br>6 | 0<br>0<br>2<br>2<br>7 | 0<br>0<br>2<br>2<br>8 | 0<br>0<br>2<br>2<br>9 | 0<br>0<br>2<br>3<br>0 | 0<br>0<br>2<br>3<br>1 | 0<br>0<br>2<br>3<br>2 | 0<br>0<br>2<br>3<br>3 | 0<br>0<br>2<br>3<br>4 | 0<br>0<br>2<br>3<br>5 | 0<br>0<br>2<br>3<br>6 | 0<br>0<br>2<br>3<br>7 | 0<br>0<br>2<br>3<br>8 | 0<br>0<br>2<br>3<br>9 | 0<br>0<br>2<br>4<br>0 | 0<br>0<br>2<br>4<br>1 | 0<br>0<br>2<br>4<br>2 | 0<br>0<br>2<br>4<br>3 | 0<br>0<br>2<br>4<br>4 | 0<br>0<br>2<br>4<br>5 | 0<br>0<br>2<br>4<br>6 | 0<br>0<br>2<br>4<br>7 | 0<br>0<br>2<br>4<br>8 |  | 0<br>0<br>2<br>4<br>9 | * TOTALS |        |        |  |
| Angiectasis                       |             |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |  |                       | 2        | 1 2.0  |        |  |
| Cyst                              |             |                       |                       |                       |                       | 2                     |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |  |                       | 2        | 2 2.0  |        |  |
| Edema                             |             |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |  |                       |          |        | 1 3.0  |  |
| Hemorrhage                        |             |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |  |                       | 4        | 1 4.0  |        |  |
| Hyperplasia, Cystic               |             |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |  |                       |          | 45 2.5 |        |  |
| Inflammation, Histiocytic         |             |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |  |                       |          | 1 3.0  |        |  |
| Inflammation, Acute               |             |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |  |                       |          | 1 4.0  |        |  |
| Necrosis                          |             |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |  |                       |          | 1 4.0  |        |  |
| Thrombosis                        |             |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |  |                       |          | 1 2.0  |        |  |
| <b>HEMATOPOIETIC SYSTEM</b>       |             |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |  |                       |          |        |        |  |
| Bone Marrow                       |             |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |  |                       |          | 49     |        |  |
| Infiltration Cellular, Histiocyte |             |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |  |                       |          |        | 1 2.0  |  |
| Myeloid Cell, Hyperplasia         |             |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |  |                       |          |        | 1 2.0  |  |
| Lymph Node                        |             |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |  |                       |          |        | 9      |  |
| Ectasia                           |             |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |  |                       |          |        | 3 4.0  |  |
| Hemorrhage                        |             |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |  |                       |          |        | 3 2.7  |  |
| Pigmentation                      |             |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |  |                       |          |        | 3 3.0  |  |
| Iliac, Hyperplasia, Lymphoid      |             |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |  |                       |          |        | 1 4.0  |  |
| Lymph Node, Mandibular            |             |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |  |                       |          |        | 48     |  |
| Atrophy                           |             |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |  |                       |          |        | 1 4.0  |  |
| Ectasia                           |             |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |  |                       |          |        | 1 2.0  |  |
| Fibrosis                          |             |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |  |                       |          |        | 1 2.0  |  |
| Hyperplasia, Lymphoid             |             |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |  |                       |          |        | 3 2.3  |  |
| Hyperplasia, Plasma Cell          |             |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |  |                       |          |        | 1 1.0  |  |
| Inflammation, Chronic Active      |             |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |  |                       |          |        | 1 2.0  |  |
| Pigmentation                      |             |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |  |                       |          |        | 36 2.1 |  |

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| B6C3F1 MICE FEMALE | DAY ON TEST |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | * TOTALS |      |      |   |
|--------------------|-------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|----------|------|------|---|
|                    | 0733        | 0733 | 0733 | 0733 | 0733 | 0733 | 0678 | 0733 | 0733 | 0733 | 0573 | 0733 | 0733 | 0733 | 0733 | 0668 | 0733 | 0733 | 0733 | 0673 |          | 0733 | 0733 |   |
| 0 MG/KG            | ANIMAL ID   |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |          |      |      |   |
|                    | 0022        | 0022 | 0022 | 0022 | 0022 | 0022 | 0022 | 0022 | 0022 | 0022 | 0022 | 0022 | 0022 | 0022 | 0022 | 0022 | 0022 | 0022 | 0022 | 0022 | 0022     | 0022 |      |   |
|                    | 67          | 8    | 9    | 0    | 1    | 2    | 3    | 4    | 5    | 6    | 7    | 8    | 9    | 0    | 1    | 2    | 3    | 4    | 5    | 6    | 7        | 8    | 9    | 0 |

|                          |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |       |
|--------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-------|
| Lymph Node, Mesenteric   | + | M | + | + | + | + | + | + | I | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48    |
| Atrophy                  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1 2.0 |
| Hyperplasia, Lymphoid    |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1 3.0 |
| Hyperplasia, Plasma Cell |   |   |   |   |   |   |   | 3 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1 3.0 |

|   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |        |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--------|
| Spleen                                      | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50     |
| Atrophy                                     |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1 2.0  |
| Hematopoietic Cell Proliferation            |   |   | 2 |   |   |   |   |   | 1 |   |   |   | 1 |   |   | 3 |   | 1 |   |   | 2 |   |   |   | 15 1.9 |
| Necrosis                                    |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1 4.0  |
| Pigmentation                                | 2 | 1 | 1 | 2 | 1 | 2 | 4 | 1 | 3 |   |   | 3 |   | 2 | 1 | 2 |   | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 35 1.6 |
| Lymphoid Follicle, Atrophy                  |   |   |   |   |   |   | 2 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 2 2.0  |
| Lymphoid Follicle, Hyperplasia              |   |   |   |   | 3 | 1 | 4 |   |   |   |   | 1 |   |   | 2 |   |   |   | 1 |   |   | 1 | 2 |   | 12 1.7 |
| Lymphoid Follicle, Hyperplasia, Plasma Cell |   |   |   |   |   |   |   |   | 2 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1 2.0  |
| Lymphoid Follicle, Hyperplasia, Focal       |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 2 2.0  |

|                       |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |        |
|-----------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--------|
| Thymus                | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | 48     |
| Atrophy               | 1 | 3 |   |   | 1 |   | 4 | 2 | 1 |   |   |   | 3 | 2 | 1 | 4 |   |   |   | 3 |   | 2 |   |   | 25 2.2 |
| Cyst                  |   |   |   |   |   |   |   |   |   |   |   |   |   | 2 |   | 2 |   |   |   | 2 |   |   |   |   | 8 2.0  |
| Hyperplasia, Lymphoid | 1 |   |   |   |   | 2 |   |   | 1 | 1 |   |   |   | 2 |   |   |   |   | 2 |   |   | 3 | 2 |   | 16 1.8 |
| Mineralization        |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1 1.0  |
| Necrosis, Lymphoid    |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 2 1.5  |

INTEGUMENTARY SYSTEM

|                       |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |        |
|-----------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--------|
| Mammary Gland         | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50     |
| Galactocele           | 1 | 2 | 1 | 1 | 1 |   | 1 |   |   |   | 2 | 2 |   | 2 |   | 1 | 1 |   | 1 | 1 | 3 | 1 | 1 | 1 | 30 1.3 |
| Hyperplasia           |   |   | 2 |   |   |   |   |   |   |   |   | 2 |   |   |   |   |   |   |   |   | 1 |   |   |   | 3 1.7  |
| Inflammation, Chronic |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1 |   |   |   | 1 1.0  |

|      |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |
|------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|
| Skin | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
|------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|

\* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade  
+ .. Tissue examined microscopically  
X .. Lesion present  
I .. Insufficient tissue  
M .. Missing tissue  
A .. Autolysis precludes evaluation  
BLANK .. Not examined microscopically  
1-4 .. Lesion qualified as:  
1) Minimal 3) Moderate  
2) Mild 4) Marked

Experiment Number: 20209 - 04

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Pentabromodiphenyl oxide (technical) (DE 71)

CAS Number: 32534-81-9

Date Report Requested: 09/10/2014

Time Report Requested: 08:48:43

First Dose M/F: 02/25/08 / 02/25/08

Lab: SRI

| B6C3F1 MICE FEMALE<br>0 MG/KG | DAY ON TEST      |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  | * TOTALS |                  |                  |                  |
|-------------------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|----------|------------------|------------------|------------------|
|                               | 0<br>7<br>3<br>3 | 0<br>7<br>3<br>3 | 0<br>7<br>3<br>3 | 0<br>7<br>3<br>3 | 0<br>7<br>3<br>3 | 0<br>7<br>3<br>2 | 0<br>6<br>7<br>3 | 0<br>7<br>8<br>2 | 0<br>7<br>3<br>2 | 0<br>7<br>3<br>2 | 0<br>5<br>3<br>3 | 0<br>7<br>3<br>1 | 0<br>7<br>3<br>1 | 0<br>7<br>3<br>1 | 0<br>6<br>3<br>1 | 0<br>6<br>8<br>4 | 0<br>7<br>3<br>1 | 0<br>7<br>3<br>1 | 0<br>6<br>3<br>3 | 0<br>7<br>9<br>6 |          | 0<br>7<br>3<br>3 | 0<br>7<br>3<br>3 | 0<br>7<br>3<br>3 |
| ANIMAL ID                     | 0                | 0                | 0                | 0                | 0                | 0                | 0                | 0                | 0                | 0                | 0                | 0                | 0                | 0                | 0                | 0                | 0                | 0                | 0                | 0                | 0        | 0                | 0                |                  |
|                               | 0                | 0                | 0                | 0                | 0                | 0                | 0                | 0                | 0                | 0                | 0                | 0                | 0                | 0                | 0                | 0                | 0                | 0                | 0                | 0                | 0        | 0                | 0                |                  |
|                               | 2                | 2                | 2                | 2                | 2                | 2                | 2                | 2                | 2                | 2                | 2                | 2                | 2                | 2                | 2                | 2                | 2                | 2                | 2                | 2                | 2        | 2                | 2                |                  |
|                               | 2                | 2                | 2                | 2                | 3                | 3                | 3                | 3                | 3                | 3                | 3                | 3                | 3                | 3                | 4                | 4                | 4                | 4                | 4                | 4                | 4        | 4                | 5                |                  |
| 6                             | 7                | 8                | 9                | 0                | 1                | 2                | 3                | 4                | 5                | 6                | 7                | 8                | 9                | 0                | 1                | 2                | 3                | 4                | 5                | 6                | 7        | 8                | 9                |                  |

|                                 |   |  |  |   |  |  |  |  |  |  |  |  |   |  |  |  |  |  |   |   |   |  |  |   |     |
|---------------------------------|---|--|--|---|--|--|--|--|--|--|--|--|---|--|--|--|--|--|---|---|---|--|--|---|-----|
| Cyst Epithelial Inclusion       |   |  |  |   |  |  |  |  |  |  |  |  |   |  |  |  |  |  |   |   |   |  |  | 2 | 2.5 |
| Fibrosis                        |   |  |  |   |  |  |  |  |  |  |  |  |   |  |  |  |  |  |   |   |   |  |  | 1 | 1.0 |
| Foreign Body                    |   |  |  |   |  |  |  |  |  |  |  |  |   |  |  |  |  |  |   |   |   |  |  | 1 | 1.0 |
| Hemorrhage                      |   |  |  |   |  |  |  |  |  |  |  |  |   |  |  |  |  |  |   |   |   |  |  | 1 | 2.0 |
| Hyperkeratosis                  |   |  |  |   |  |  |  |  |  |  |  |  |   |  |  |  |  |  |   |   |   |  |  | 1 | 2.0 |
| Inflammation, Granulomatous     |   |  |  |   |  |  |  |  |  |  |  |  |   |  |  |  |  |  | 4 |   |   |  |  | 1 | 4.0 |
| Inflammation, Acute             |   |  |  |   |  |  |  |  |  |  |  |  |   |  |  |  |  |  |   |   |   |  |  | 2 | 2.0 |
| Inflammation, Chronic           | 1 |  |  | 1 |  |  |  |  |  |  |  |  | 1 |  |  |  |  |  |   |   | 1 |  |  | 6 | 1.0 |
| Inflammation, Chronic Active    |   |  |  |   |  |  |  |  |  |  |  |  |   |  |  |  |  |  | 1 |   |   |  |  | 2 | 1.0 |
| Ulcer                           |   |  |  |   |  |  |  |  |  |  |  |  |   |  |  |  |  |  |   | 4 |   |  |  | 4 | 4.0 |
| Epidermis, Tail, Hyperkeratosis |   |  |  |   |  |  |  |  |  |  |  |  |   |  |  |  |  |  |   |   |   |  |  | 1 | 1.0 |
| Epidermis, Tail, Hyperplasia    |   |  |  |   |  |  |  |  |  |  |  |  |   |  |  |  |  |  |   |   |   |  |  | 1 | 1.0 |
| Lip, Inflammation, Chronic      |   |  |  |   |  |  |  |  |  |  |  |  |   |  |  |  |  |  | 1 |   |   |  |  | 1 | 1.0 |

MUSCULOSKELETAL SYSTEM

|                      |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |     |
|----------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|-----|
| Bone                 | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 |     |
| Fibro-Osseous Lesion | 1 | 1 | 1 | 1 | 2 | 3 | 1 | 1 | 1 | 1 |   | 1 |   | 1 | 1 | 1 |   | 1 | 1 | 1 | 1 |   | 1 | 43 | 1.3 |
| Tail, Callus         |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1  | 1.0 |
| Skeletal Muscle      |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    | 2   |

NERVOUS SYSTEM

|   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |     |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|-----|
| Brain                                   | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |     |
| Compression                             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1  | 1.0 |
| Hemorrhage                              |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 3  | 1.3 |
| Infiltration Cellular, Mononuclear Cell |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1  | 1.0 |
| Meninges, Inflammation, Chronic         |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1  | 1.0 |
| Peripheral Nerve                        |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    | 1   |

\* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

X .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

Experiment Number: 20209 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

**P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL**  
 Pentabromodiphenyl oxide (technical) (DE 71)  
 CAS Number: 32534-81-9

Date Report Requested: 09/10/2014  
 Time Report Requested: 08:48:43  
 First Dose M/F: 02/25/08 / 02/25/08  
 Lab: SRI

| B6C3F1 MICE FEMALE | DAY ON TEST           |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | * TOTALS              |
|--------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
|                    | 0<br>7<br>3<br>3      | 0<br>7<br>3<br>3      | 0<br>7<br>3<br>3      | 0<br>7<br>3<br>3      | 0<br>7<br>3<br>3      | 0<br>7<br>3<br>2      | 0<br>6<br>8<br>2      | 0<br>7<br>3<br>2      | 0<br>7<br>3<br>2      | 0<br>7<br>3<br>2      | 0<br>5<br>9<br>3      | 0<br>7<br>3<br>1      | 0<br>7<br>3<br>1      | 0<br>7<br>3<br>1      | 0<br>6<br>8<br>1      | 0<br>6<br>8<br>1      | 0<br>7<br>3<br>1      | 0<br>7<br>3<br>3      | 0<br>6<br>9<br>3      | 0<br>7<br>3<br>3      | 0<br>7<br>3<br>3      | 0<br>7<br>3<br>3      |                       |                       |
| 0 MG/KG            | ANIMAL ID             |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |
|                    | 0<br>0<br>2<br>2<br>6 | 0<br>0<br>2<br>2<br>7 | 0<br>0<br>2<br>2<br>8 | 0<br>0<br>2<br>2<br>9 | 0<br>0<br>2<br>3<br>0 | 0<br>0<br>2<br>3<br>1 | 0<br>0<br>2<br>3<br>2 | 0<br>0<br>2<br>3<br>3 | 0<br>0<br>2<br>3<br>3 | 0<br>0<br>2<br>3<br>3 | 0<br>0<br>2<br>3<br>3 | 0<br>0<br>2<br>3<br>3 | 0<br>0<br>2<br>3<br>3 | 0<br>0<br>2<br>3<br>3 | 0<br>0<br>2<br>4<br>0 | 0<br>0<br>2<br>4<br>1 | 0<br>0<br>2<br>4<br>2 | 0<br>0<br>2<br>4<br>3 | 0<br>0<br>2<br>4<br>4 | 0<br>0<br>2<br>4<br>4 | 0<br>0<br>2<br>4<br>4 | 0<br>0<br>2<br>4<br>4 | 0<br>0<br>2<br>4<br>4 | 0<br>0<br>2<br>5<br>0 |

|              |   |   |     |
|--------------|---|---|-----|
| Degeneration | 1 | 1 | 1.0 |
| Spinal Cord  | + | 1 |     |

**RESPIRATORY SYSTEM**

|                                   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |     |
|-----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----|
| Lung                              | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50  |
| Congestion                        |   |   |   |   |   |   |   |   |   |   |   |   |   | 4 |   |   |   |   |   |   |   | 4 |   |   |   | 2   |
| Fibrosis                          |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 4.0 |
| Hemorrhage                        |   |   |   |   |   |   | 2 | 1 |   |   |   |   |   |   | 2 |   | 2 |   |   |   |   |   | 2 |   |   | 12  |
| Infiltration Cellular, Histiocyte |   |   |   |   | 1 |   |   |   | 2 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 4   |
| Metaplasia, Osseous               |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1 | 1 |   |   |   |   | 2   |
| Mineralization                    |   |   |   |   |   |   |   |   |   |   | 1 |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 3   |
| Thrombosis                        |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1   |
| Nose                              | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50  |
| Foreign Body                      | X |   |   | X |   | X |   |   |   |   |   |   |   |   |   |   |   |   |   | X |   |   |   |   |   | 4   |
| Inflammation, Acute               | 1 |   |   |   | 2 | 1 |   |   |   |   |   |   |   |   | 2 |   |   |   |   |   |   |   |   |   |   | 6   |
| Trachea                           | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50  |

**SPECIAL SENSES SYSTEM**

|                 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |     |
|-----------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----|
| Eye             | + | + | + | + | + | + | A | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | 47  |
| Harderian Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50  |
| Hyperplasia     |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1   |
|                 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 2.0 |

**URINARY SYSTEM**

|        |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |
|--------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|
| Kidney | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
|--------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|

\* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade  
 + .. Tissue examined microscopically  
 X .. Lesion present  
 I .. Insufficient tissue  
 M .. Missing tissue  
 A .. Autolysis precludes evaluation  
 BLANK .. Not examined microscopically  
 1-4 .. Lesion qualified as:  
 1) Minimal 3) Moderate  
 2) Mild 4) Marked

Experiment Number: 20209 - 04

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: MICE/B6C3F1

**P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL**

Pentabromodiphenyl oxide (technical) (DE 71)

CAS Number: 32534-81-9

Date Report Requested: 09/10/2014

Time Report Requested: 08:48:43

First Dose M/F: 02/25/08 / 02/25/08

Lab: SRI

| B6C3F1 MICE FEMALE                          | DAY ON TEST |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       | * TOTALS  |            |            |
|---|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-----------|------------|------------|
|   | 0733        | 0733  | 0733  | 0733  | 0733  | 0732  | 0732  | 0732  | 0732  | 0732  | 0732  | 0732  | 0732  | 0732  | 0732  | 0732  | 0732  | 0732  | 0732  | 0732  | 0732  | 0732  | 0732  | 0732  |           |            |            |
| 0 MG/KG                                     | ANIMAL ID   |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       | * TOTALS  |            |            |
|   | 00226       | 00227 | 00228 | 00229 | 00230 | 00231 | 00232 | 00233 | 00234 | 00235 | 00236 | 00237 | 00238 | 00239 | 00240 | 00241 | 00242 | 00243 | 00244 | 00245 | 00246 | 00247 | 00248 | 00249 |           |            |            |
| Infiltration Cellular, Mononuclear Cell     | 1           | 1     | 1     | 2     | 1     | 1     |       | 1     | 1     | 1     |       | 1     |       | 1     | 1     | 1     | 1     | 1     | 1     | 1     | 1     |       | 1     | 1     | <b>38</b> | <b>1.1</b> |            |
| Mineralization                              |             |       |       |       |       |       |       |       |       |       |       |       |       |       | 1     | 1     |       |       |       |       |       |       |       |       | <b>7</b>  | <b>1.1</b> |            |
| Nephropathy                                 |             |       |       | 1     |       |       |       |       |       | 1     |       |       |       | 1     | 1     |       |       |       | 1     | 1     |       |       | 1     | 1     | <b>14</b> | <b>1.3</b> |            |
| Artery, Inflammation, Chronic               |             |       |       |       |       |       |       |       |       | 2     |       |       |       |       |       |       |       |       |       |       |       |       |       |       | <b>1</b>  | <b>2.0</b> |            |
| Interstitial, Inflammation, Chronic         |             |       |       |       |       |       | 2     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       | <b>1</b>  | <b>2.0</b> |            |
| Renal Tubule, Accumulation, Hyaline Droplet |             |       |       |       |       |       |       |       |       |       |       | 3     |       |       |       |       |       |       |       |       |       |       |       |       | <b>2</b>  | <b>2.5</b> |            |
| Renal Tubule, Dilatation                    | 1           | 1     |       |       | 1     |       | 1     | 1     |       | 1     | 1     | 1     | 1     |       | 1     | 1     | 1     | 1     | 1     |       | 1     |       | 1     | 1     | <b>31</b> | <b>1.0</b> |            |
| Urinary Bladder                             | +           | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | <b>49</b> |            |            |
| Hyperplasia, Lymphoid                       |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       | 2     |       |       |           | <b>1</b>   | <b>2.0</b> |

\* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

X .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

Experiment Number: 20209 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

**P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL**  
 Pentabromodiphenyl oxide (technical) (DE 71)  
 CAS Number: 32534-81-9

Date Report Requested: 09/10/2014  
 Time Report Requested: 08:48:43  
 First Dose M/F: 02/25/08 / 02/25/08  
 Lab: SRI

|                           |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |                |           |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |                              |
|---------------------------|-------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|----------------|-----------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------------------------------|
| <b>B6C3F1 MICE FEMALE</b> | DAY ON TEST | 0732 | 0732 | 0732 | 0732 | 0673 | 0573 | 0773 | 0773 | 0773 | 0773 | 0773 | 0773 | 0773 | 0773 | 0673 | 0773 | 0773 | 0673 | 0753 | 0773 | 0673 | 0773 | <b>3 MG/KG</b> | ANIMAL ID | 0051 | 0052 | 0053 | 0054 | 0055 | 0056 | 0057 | 0058 | 0059 | 0060 | 0061 | 0062 | 0063 | 0064 | 0065 | 0066 | 0067 | 0068 | 0069 | 0070 | 0071 | 0072 | 0073 | 0074 | 0075 | <b>females<br/>(cont...)</b> |
|                           | ANIMAL ID   | 0051 | 0052 | 0053 | 0054 | 0055 | 0056 | 0057 | 0058 | 0059 | 0060 | 0061 | 0062 | 0063 | 0064 | 0065 | 0066 | 0067 | 0068 | 0069 | 0070 | 0071 | 0072 |                |           | 0073 | 0074 | 0075 |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |                              |

**ALIMENTARY SYSTEM**

|  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Esophagus<br>Inflammation, Chronic<br>Muscularis, Degeneration | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Gallbladder  | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | A | + |   |   |
| Intestine Large, Cecum   | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | A | + |   |   |
| Intestine Large, Colon   | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | A | + |   |   |
| Intestine Large, Rectum<br>Edema                               | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + |   |   |
| Intestine Small, Duodenum                                      | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | A | + |   |
| Intestine Small, Ileum   | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | A | + |   |
| Intestine Small, Jejunum                                       | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | A | + |   |
| Liver  | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + |   |
| Basophilic Focus   |   |   |   |   |   |   | X |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Clear Cell Focus   |   |   |   |   | X | X |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Eosinophilic Focus   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | X |   |   |   |   |
| Eosinophilic Focus, Multiple                                   |   |   |   |   |   |   |   |   |   |   |   |   | X |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Fatty Change   |   |   |   |   |   |   |   |   | 1 | 1 |   | 1 |   |   |   | 1 |   | 1 |   |   | 1 | 1 | 2 |   | 2 |   |
| Fibrosis   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Hematopoietic Cell Proliferation                               |   |   |   | 1 |   | 1 | 1 |   | 1 |   | 1 |   |   | 1 |   |   |   | 1 |   | 1 | 1 |   |   |   |   |   |
| Hemorrhage   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Inflammation, Chronic  | 1 | 1 | 1 | 1 | 1 |   |   | 1 | 2 | 2 | 2 | 1 |   |   |   | 1 |   | 1 | 2 | 1 | 1 |   | 1 |   | 1 |   |

\* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade  
 + .. Tissue examined microscopically  
 X .. Lesion present  
 I .. Insufficient tissue  
 M .. Missing tissue  
 A .. Autolysis precludes evaluation  
 BLANK .. Not examined microscopically  
 1-4 .. Lesion qualified as:  
 1) Minimal 3) Moderate  
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Experiment Number: 20209 - 04

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Pentabromodiphenyl oxide (technical) (DE 71)

CAS Number: 32534-81-9

Date Report Requested: 09/10/2014

Time Report Requested: 08:48:43

First Dose M/F: 02/25/08 / 02/25/08

Lab: SRI

| B6C3F1 MICE FEMALE<br>3 MG/KG           | DAY ON TEST      |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  | ANIMAL ID | females<br>(cont...) |
|---|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|-----------|----------------------|
|   | 0<br>7<br>3<br>2 | 0<br>7<br>3<br>2 | 0<br>7<br>3<br>2 | 0<br>7<br>3<br>2 | 0<br>6<br>3<br>4 | 0<br>7<br>3<br>3 | 0<br>5<br>6<br>8 | 0<br>7<br>3<br>3 | 0<br>7<br>3<br>3 | 0<br>7<br>3<br>3 | 0<br>7<br>3<br>2 | 0<br>7<br>3<br>2 | 0<br>7<br>3<br>2 | 0<br>7<br>3<br>2 | 0<br>6<br>3<br>4 | 0<br>7<br>3<br>1 | 0<br>7<br>3<br>1 | 0<br>6<br>3<br>0 | 0<br>7<br>3<br>7 | 0<br>5<br>3<br>2 | 0<br>7<br>3<br>9 | 0<br>6<br>7<br>3 | 0<br>7<br>4<br>4 | 0<br>7<br>3<br>2 |           |                      |
| Mixed Cell Focus                        |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |           |                      |
| Necrosis, Focal                         |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |           |                      |
| Tension Lipidosis                       |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |           |                      |
| Centrilobular, Hepatocyte, Hypertrophy  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |           |                      |
| Kupffer Cell, Pigmentation              |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |           |                      |
| Mesentery                               |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |           |                      |
| Accessory Spleen                        |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |           |                      |
| Cyst                                    |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |           |                      |
| Inflammation, Chronic                   |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |           |                      |
| Mineralization                          |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |           |                      |
| Fat, Necrosis                           |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |           |                      |
| Oral Mucosa                             |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |           |                      |
| Pancreas                                |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |           |                      |
| Atrophy                                 |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |           |                      |
| Cyst                                    |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |           |                      |
| Fibrosis                                |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |           |                      |
| Inflammation, Chronic                   |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |           |                      |
| Inflammation, Chronic Active            |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |           |                      |
| Necrosis                                |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |           |                      |
| Salivary Glands                         |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |           |                      |
| Infiltration Cellular, Mononuclear Cell |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |           |                      |
| Mineralization                          |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |           |                      |
| Stomach, Forestomach                    |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |           |                      |
| Erosion                                 |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |           |                      |
| Inflammation                            |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |           |                      |
| Mineralization                          |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |           |                      |

\* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

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X .. Lesion present

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Experiment Number: 20209 - 04

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: MICE/B6C3F1

**P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL**

Pentabromodiphenyl oxide (technical) (DE 71)

CAS Number: 32534-81-9

Date Report Requested: 09/10/2014

Time Report Requested: 08:48:43

First Dose M/F: 02/25/08 / 02/25/08

Lab: SRI

|                           |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |                          |   |
|---------------------------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--------------------------|---|
| <b>B6C3F1 MICE FEMALE</b> | DAY ON TEST | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0                        |   |
|                           |             | 7 | 7 | 7 | 7 | 6 | 7 | 5 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 6 | 7 | 7 | 7 | 6 | 7 | 5                        | 7 |
|                           | 3           | 3 | 3 | 3 | 3 | 3 | 6 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 8 | 3 | 3 | 3 | 8 | 3 | 9 | 3                        |   |
| <b>3 MG/KG</b>            | ANIMAL ID   | 2 | 2 | 2 | 2 | 4 | 3 | 8 | 3 | 3 | 3 | 2 | 2 | 2 | 2 | 4 | 1 | 1 | 0 | 7 | 2 | 0 | 2                        |   |
|                           |             | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0                        | 0 |
|                           |             | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0                        | 0 |
|                           |             | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 7                        |   |
|                           |             | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2                        |   |
|                           |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | <b>females (cont...)</b> |   |

|   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Ulcer Epithelium, Hyperplasia                         | 1 |   |   |   |   |   |   |   | 1 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Stomach, Glandular Inflammation, Acute Mineralization | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + |
| Ulcer Glands, Ectasia, Focal                          | 2 |   |   |   |   | 1 |   |   | 1 |   |   |   |   |   |   |   |   |   |   |   | 2 |   |   |   |

**CARDIOVASCULAR SYSTEM**

|                                      |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|--------------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Blood Vessel                         | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Heart                                | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Cardiomyopathy                       | 1 |   |   | 1 |   |   |   |   |   |   |   |   |   | 1 |   |   |   |   |   |   | 1 |   |   |   |
| Inflammation, Chronic Mineralization |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1 |   |   |   |   |   |   |   |
|                                      |   |   | 1 |   |   |   |   |   | 2 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |

**ENDOCRINE SYSTEM**

|   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Adrenal Cortex  | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Accessory Adrenal Cortical Nodule Degeneration, Fatty |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 2 |   | 2 |   |   |   |   |
| Hematopoietic Cell Proliferation                      |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Hyperplasia, Focal Hypertrophy, Focal                 |   |   |   |   |   |   |   |   |   |   | 2 |   |   |   |   | 1 |   |   |   |   | 1 |   |   |   |
| Capsule, Hyperplasia                                  | 3 | 3 | 2 | 4 | 2 | 3 | 3 | 3 | 3 | 2 | 2 | 2 | 2 | 3 | 4 | 4 | 3 | 3 | 2 | 2 | 2 | 2 | 2 | 3 |
| Adrenal Medulla Pigmentation                          | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |

\* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade  
+ .. Tissue examined microscopically  
X .. Lesion present  
I .. Insufficient tissue  
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1) Minimal 3) Moderate  
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Experiment Number: 20209 - 04

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Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Pentabromodiphenyl oxide (technical) (DE 71)

CAS Number: 32534-81-9

Date Report Requested: 09/10/2014

Time Report Requested: 08:48:43

First Dose M/F: 02/25/08 / 02/25/08

Lab: SRI

| B6C3F1 MICE FEMALE<br>3 MG/KG   | DAY ON TEST      |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  | ANIMAL ID | females<br>(cont...) |   |   |   |   |   |   |   |   |   |   |   |   |
|---|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|-----------|----------------------|---|---|---|---|---|---|---|---|---|---|---|---|
|   | 0<br>7<br>3<br>2 | 0<br>7<br>3<br>2 | 0<br>7<br>3<br>2 | 0<br>7<br>3<br>2 | 0<br>6<br>3<br>4 | 0<br>7<br>3<br>3 | 0<br>5<br>6<br>8 | 0<br>7<br>3<br>3 | 0<br>7<br>3<br>3 | 0<br>7<br>3<br>3 | 0<br>7<br>3<br>2 | 0<br>7<br>3<br>2 | 0<br>7<br>3<br>2 | 0<br>7<br>3<br>2 | 0<br>6<br>3<br>4 | 0<br>7<br>3<br>1 | 0<br>7<br>3<br>1 | 0<br>6<br>3<br>0 | 0<br>7<br>3<br>7 | 0<br>5<br>3<br>2 | 0<br>7<br>3<br>9 | 0<br>6<br>3<br>3 | 0<br>7<br>3<br>7 | 0<br>6<br>3<br>4 | 0<br>7<br>3<br>2 |           |                      |   |   |   |   |   |   |   |   |   |   |   |   |
| Islets, Pancreatic Hyperplasia  | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | A                | +                |           |                      |   |   |   |   |   |   |   |   |   |   |   |   |
| Parathyroid Gland Cyst  | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                |           |                      |   |   |   |   |   |   |   |   |   |   |   |   |
| Pituitary Gland<br>Pars Distalis, Angiectasis<br>Pars Distalis, Hyperplasia   | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | 2                | 2                |           |                      |   |   |   |   |   |   |   |   |   |   |   |   |
| Thyroid Gland<br>Infiltration Cellular, Mononuclear Cell<br>Inflammation, Chronic<br>Follicle, Cyst<br>Follicle, Degeneration<br>Follicle, Degeneration, Focal<br>Follicle, Hypertrophy | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | 2                | 1         | 1                    | 1 | 1 | 1 | 2 | 1 | 1 | 2 | 1 | 1 | 2 | 2 | 1 |

GENERAL BODY SYSTEM

|                                   |   |
|-----------------------------------|---|
| Tissue NOS                        | + |
| Fibrosis                          | 3 |
| Inflammation, Chronic             | 2 |
| Mineralization                    | 2 |
| Fat, Fibrosis                     |   |
| Fat, Inflammation, Chronic Active |   |
| Fat, Necrosis                     |   |

GENITAL SYSTEM

\* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

X .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

| <b>B6C3F1 MICE FEMALE</b> | DAY ON TEST |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | ANIMAL ID |      |      |      |      |                      |
|---------------------------|-------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-----------|------|------|------|------|----------------------|
|                           | 0732        | 0732 | 0732 | 0732 | 0633 | 0733 | 0563 | 0753 | 0773 | 0773 | 0773 | 0773 | 0773 | 0773 | 0773 | 0673 | 0773 | 0773 | 0673 | 0753 |           |      | 0773 | 0673 | 0763 | 0773                 |
| <b>3 MG/KG</b>            | 0051        | 0052 | 0053 | 0054 | 0055 | 0056 | 0057 | 0058 | 0059 | 0060 | 0061 | 0062 | 0063 | 0064 | 0065 | 0066 | 0067 | 0068 | 0069 | 0070 | 0071      | 0072 | 0073 | 0074 | 0075 | females<br>(cont...) |

|  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Clitoral Gland<br>Inflammation, Chronic Active | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
|  |   |   |   | 1 | 1 |   |   |   |   |   | 1 | 1 |   |   |   |   | 1 |   | 2 |   |   | 1 |   |   | 1 |
| Ovary<br>Cyst                                  | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + |
|  |   | 2 |   |   |   |   | 2 |   |   |   |   |   |   |   |   |   |   |   |   | 2 | 2 | 2 |   |   | 2 |
| Uterus<br>Hemorrhage<br>Hyperplasia, Cystic    | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
|  | 1 | 1 | 2 | 4 | 3 | 3 | 2 | 2 | 3 | 2 | 1 | 4 | 3 | 1 | 2 | 1 | 1 | 1 | 4 | 3 | 4 | 4 | 3 | 1 | 1 |
| Vagina   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |

**HEMATOPOIETIC SYSTEM**

|  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Bone Marrow<br>Myeloid Cell, Hyperplasia   | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
|  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 2 |   |   |
| Lymph Node<br>Ectasia<br>Hemorrhage<br>Hyperplasia, Lymphoid<br>Pigmentation<br>Iliac, Hemorrhage<br>Pancreatic, Hyperplasia, Lymphoid<br>Renal, Hematopoietic Cell Proliferation<br>Renal, Pigmentation | + |   |   | + |   |   |   | + | + |   |   | + |   |   | + |   |   |   |   |   |   |   | + | A | + |
|  |   |   |   |   |   |   |   |   | 3 |   |   |   |   |   |   |   |   |   |   |   |   |   | 4 |   | 4 |
|  |   |   |   |   |   |   |   | 4 |   |   |   |   |   |   |   |   |   |   |   |   |   | 4 |   | 4 | 4 |
|  | 4 |   |   |   | 2 |   |   |   |   |   |   | 2 |   |   |   |   |   |   |   |   |   |   |   |   |   |
|  |   |   |   |   | 2 |   |   |   |   |   |   |   |   |   |   |   | 4 |   |   |   |   |   |   |   |   |
|  |   |   |   |   |   | 3 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 2 |   |   |   |
|  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 2 |   |   |   |   |
| Lymph Node, Mandibular<br>Hyperplasia, Lymphoid<br>Hyperplasia, Plasma Cell  | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
|  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 2 |

\* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade  
 + .. Tissue examined microscopically  
 X .. Lesion present  
 I .. Insufficient tissue  
 M .. Missing tissue  
 A .. Autolysis precludes evaluation  
 BLANK .. Not examined microscopically  
 1-4 .. Lesion qualified as:  
 1) Minimal 3) Moderate  
 2) Mild 4) Marked

Experiment Number: 20209 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

**P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL**  
 Pentabromodiphenyl oxide (technical) (DE 71)  
 CAS Number: 32534-81-9

Date Report Requested: 09/10/2014  
 Time Report Requested: 08:48:43  
 First Dose M/F: 02/25/08 / 02/25/08  
 Lab: SRI

| B6C3F1 MICE FEMALE<br>3 MG/KG | DAY ON TEST |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | ANIMAL ID | females<br>(cont...) |
|-------------------------------|-------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-----------|----------------------|
|                               | 0732        | 0732 | 0732 | 0732 | 0633 | 0733 | 0576 | 0757 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0676 | 0777 | 0777 | 0676 | 0777 | 0576 | 0777 | 0676 | 0777 |      |           |                      |
|                               | 0           | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0051 |           |                      |

|  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|
| Pigmentation   | 3 | 3 | 1 | 1 |   | 1 | 1 | 4 |   | 1 | 1 |   | 1 | 2 |   | 1 | 2 | 2 | 1 |   | 3 | 2 | 2 | 1 |   |  |
| Lymph Node, Mesenteric<br>Ectasia<br>Hemorrhage<br>Hyperplasia, Lymphoid   | + | + | + | + | + | + | + | + | + | + | + | + | + | I | + | + | + | + | + | + | I | + | + | A | + |  |
| Spleen<br>Accessory Spleen<br>Hematopoietic Cell Proliferation<br>Pigmentation<br>Lymphoid Follicle, Atrophy<br>Lymphoid Follicle, Hyperplasia | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + |  |
|  | 2 |   | 2 | 2 | 4 |   | 3 | 4 |   | 2 |   | 1 | 2 | 1 | 1 | 2 | 1 |   | 3 |   | 2 | 2 | 1 |   |   |  |
|  | 1 | 1 |   |   |   |   |   |   |   |   |   |   |   | 2 | 1 | 1 |   |   | 1 |   | 1 | 1 |   | 1 |   |  |
| Thymus<br>Atrophy<br>Cyst<br>Hyperplasia, Lymphoid<br>Necrosis, Lymphoid   | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |   |  |
|  | 2 | 1 |   | 1 | 1 | 1 | 4 |   |   |   |   |   |   |   |   |   | 2 | 1 |   |   |   | 2 | 1 | 4 | 2 |  |
|  |   |   | 1 |   | 1 | 2 |   |   |   |   |   |   |   | 2 | 1 |   |   |   | 2 |   | 1 | 2 |   | 2 |   |  |

**INTEGUMENTARY SYSTEM**

|   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|
| Mammary Gland<br>Galactocele<br>Inflammation, Chronic         | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |   |  |
|   |   |   | 2 | 1 | 2 | 1 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1 | 1 | 1 | 1 |  |
|   | 1 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |
| Skin<br>Edema<br>Foreign Body<br>Hemorrhage<br>Hyperkeratosis | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |   |  |
|   |   |   | 4 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |
|   |   |   |   |   |   |   | 1 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |

\* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade  
 + .. Tissue examined microscopically  
 X .. Lesion present  
 I .. Insufficient tissue  
 M .. Missing tissue  
 A .. Autolysis precludes evaluation  
 BLANK .. Not examined microscopically  
 1-4 .. Lesion qualified as:  
 1) Minimal 3) Moderate  
 2) Mild 4) Marked

Experiment Number: 20209 - 04

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Pentabromodiphenyl oxide (technical) (DE 71)

CAS Number: 32534-81-9

Date Report Requested: 09/10/2014

Time Report Requested: 08:48:43

First Dose M/F: 02/25/08 / 02/25/08

Lab: SRI

|   |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |                              |   |
|---|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|------------------------------|---|
| <b>B6C3F1 MICE FEMALE</b><br><br><b>3 MG/KG</b> | DAY ON TEST | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |                              |   |
|   |             | 7 | 7 | 7 | 7 | 6 | 7 | 5 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 6 | 7 | 7 | 7 | 6 | 7 | 5 | 7 | 6 |                              | 7 |
|   |             | 3 | 3 | 3 | 3 | 3 | 3 | 6 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 8 | 3 | 3 | 3 | 8 | 3 | 9 | 3 | 7 |                              | 3 |
|   |             | 2 | 2 | 2 | 2 | 4 | 3 | 8 | 3 | 3 | 3 | 2 | 2 | 2 | 2 | 4 | 1 | 1 | 0 | 7 | 2 | 0 | 2 | 4 |                              | 2 |
|   | ANIMAL ID   | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | <b>females<br/>(cont...)</b> |   |
|   |             | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |                              |   |
|   |             | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |                              |   |
|   |             | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 7 |                              |   |

Infiltration Cellular, Mast Cell  
 Inflammation, Granulomatous  
 Inflammation, Acute  
 Inflammation, Chronic  
 Inflammation, Chronic Active  
 Mineralization  
 Ulcer  
 Epidermis, Tail, Hyperplasia  
 Lip, Foreign Body  
 Lip, Inflammation, Chronic  
 Lip, Inflammation, Chronic Active  
 Subcutaneous Tissue, Fibrosis

|  |  |  |  |   |   |  |   |  |  |  |  |  |  |   |   |  |   |  |  |   |  |   |   |   |
|--|--|--|--|---|---|--|---|--|--|--|--|--|--|---|---|--|---|--|--|---|--|---|---|---|
|  |  |  |  |   |   |  | 2 |  |  |  |  |  |  |   |   |  |   |  |  |   |  |   |   |   |
|  |  |  |  | 3 |   |  |   |  |  |  |  |  |  | 1 | 1 |  | 1 |  |  | 1 |  | 3 |   |   |
|  |  |  |  |   |   |  |   |  |  |  |  |  |  |   |   |  |   |  |  |   |  |   |   | 2 |
|  |  |  |  |   |   |  |   |  |  |  |  |  |  |   |   |  |   |  |  |   |  |   |   |   |
|  |  |  |  |   | 4 |  |   |  |  |  |  |  |  |   |   |  |   |  |  |   |  |   | 4 | 4 |
|  |  |  |  |   | 2 |  |   |  |  |  |  |  |  |   |   |  |   |  |  |   |  |   | 1 |   |
|  |  |  |  |   |   |  |   |  |  |  |  |  |  |   |   |  |   |  |  |   |  |   |   |   |
|  |  |  |  |   |   |  |   |  |  |  |  |  |  |   |   |  |   |  |  |   |  |   |   |   |
|  |  |  |  |   |   |  |   |  |  |  |  |  |  |   |   |  |   |  |  |   |  |   |   |   |
|  |  |  |  |   |   |  |   |  |  |  |  |  |  |   |   |  |   |  |  |   |  |   |   |   |
|  |  |  |  |   |   |  | 2 |  |  |  |  |  |  |   |   |  |   |  |  |   |  |   |   |   |

MUSCULOSKELETAL SYSTEM

Bone  
 Fibro-Osseous Lesion  
 Skeletal Muscle

|  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
|  | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |   |
|  | 2 | 1 | 2 | 1 |   | 1 | 1 | 1 | 2 | 1 | 1 | 3 | 1 | 1 | 1 | 2 | 2 | 1 | 2 | 1 | 1 |   | 2 | 1 | 1 |

NERVOUS SYSTEM

Brain  
 Compression  
 Hemorrhage  
 Infiltration Cellular, Mononuclear Cell  
 Peripheral Nerve  
 Sciatic, Degeneration

|  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
|  | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
|  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |

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 X .. Lesion present  
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Experiment Number: 20209 - 04  
 Test Type: CHRONIC  
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 Species/Strain: MICE/B6C3F1

**P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL**  
 Pentabromodiphenyl oxide (technical) (DE 71)  
 CAS Number: 32534-81-9

Date Report Requested: 09/10/2014  
 Time Report Requested: 08:48:43  
 First Dose M/F: 02/25/08 / 02/25/08  
 Lab: SRI

| B6C3F1 MICE FEMALE<br>3 MG/KG | DAY ON TEST | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | ANIMAL ID | females<br>(cont...) |
|-------------------------------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------|----------------------|
|                               | 7           | 7 | 7 | 7 | 6 | 7 | 5 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 6 | 7 | 7 | 7 | 6 | 7 | 5 | 7 | 6 | 7 | 6 | 7 |           |                      |
|                               |             | 3 | 3 | 3 | 3 | 3 | 3 | 6 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 8 | 3 | 3 | 3 | 8 | 3 | 9 | 3 | 7 | 3 |   |           |                      |
|                               |             | 2 | 2 | 2 | 2 | 4 | 3 | 8 | 3 | 3 | 3 | 2 | 2 | 2 | 2 | 4 | 1 | 1 | 0 | 7 | 2 | 0 | 2 | 4 | 2 |   |           |                      |
|                               |             | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |           |                      |
|                               |             | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |           |                      |
|                               |             | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |           |                      |
|                               |             | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |           |                      |
|                               |             | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 |           |                      |

Spinal Cord

**RESPIRATORY SYSTEM**

|                                   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |
|-----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|
| Lung                              | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |  |
| Congestion                        |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 2 |   |   |   |   |  |
| Hemorrhage                        |   |   |   |   |   |   |   |   |   |   | 1 |   |   |   |   |   |   |   |   |   |   |   | 4 |   |   |  |
| Infiltration Cellular, Histiocyte |   |   |   |   |   |   | 2 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |
| Mineralization                    |   |   |   |   |   |   |   |   | 1 |   |   |   |   |   | 1 |   |   |   |   |   |   |   |   |   |   |  |
| Nose                              | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |  |
| Foreign Body                      | X |   | X |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | X |   |   |   |   |  |
| Inflammation, Acute               | 3 | 1 |   |   |   |   |   |   |   | 1 |   |   |   |   |   | 1 |   |   |   |   |   |   |   |   |   |  |
| Trachea                           | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |  |

**SPECIAL SENSES SYSTEM**

|                       |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |
|-----------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|
| Eye                   | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | A | + |  |
| Atrophy               |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |
| Harderian Gland       | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |  |
| Hyperplasia           |   |   | 3 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |
| Inflammation, Chronic |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1 |   |   |  |

**URINARY SYSTEM**

|   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|
| Kidney                                  | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |  |
| Infiltration Cellular, Mononuclear Cell | 1 | 1 | 1 | 1 | 1 | 1 |   | 1 | 1 | 2 | 1 | 1 |   |   | 2 | 1 | 1 | 1 | 1 | 1 |   | 2 | 1 | 1 | 1 |  |
| Mineralization                          |   |   |   | 1 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1 |   |   |  |
| Nephropathy                             | 1 |   | 1 |   |   |   |   |   |   |   |   |   |   |   | 2 |   |   |   |   |   | 1 |   |   |   |   |  |

\* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade  
 + .. Tissue examined microscopically  
 X .. Lesion present  
 I .. Insufficient tissue  
 M .. Missing tissue  
 A .. Autolysis precludes evaluation  
 BLANK .. Not examined microscopically  
 1-4 .. Lesion qualified as:  
 1) Minimal 3) Moderate  
 2) Mild 4) Marked

Experiment Number: 20209 - 04

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: MICE/B6C3F1

**P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL**

Pentabromodiphenyl oxide (technical) (DE 71)

CAS Number: 32534-81-9

Date Report Requested: 09/10/2014

Time Report Requested: 08:48:43

First Dose M/F: 02/25/08 / 02/25/08

Lab: SRI

|   |             |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                              |
|---|-------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------------------|
| <b>B6C3F1 MICE FEMALE</b><br><br><b>3 MG/KG</b> | DAY ON TEST | 07<br>32         | 07<br>32         | 07<br>32         | 07<br>32         | 06<br>34         | 07<br>33         | 05<br>68         | 07<br>33         | 07<br>33         | 07<br>33         | 07<br>33         | 07<br>33         | 07<br>33         | 07<br>33         | 06<br>38         | 07<br>31         | 07<br>31         | 07<br>30         | 06<br>77         | 07<br>52         | 07<br>39         | 07<br>32         | 06<br>74         | 07<br>63         | 07<br>72         | <b>females<br/>(cont...)</b> |
|   | ANIMAL ID   | 00<br>25<br>11   | 00<br>05<br>52   | 00<br>05<br>53   | 00<br>05<br>54   | 00<br>05<br>55   | 00<br>05<br>56   | 00<br>05<br>57   | 00<br>05<br>58   | 00<br>05<br>59   | 00<br>06<br>00   | 00<br>06<br>01   | 00<br>06<br>02   | 00<br>06<br>03   | 00<br>06<br>04   | 00<br>06<br>05   | 00<br>06<br>06   | 00<br>06<br>07   | 00<br>06<br>08   | 00<br>06<br>09   | 00<br>07<br>00   | 00<br>07<br>01   | 00<br>07<br>02   | 00<br>07<br>03   | 00<br>07<br>04   | 00<br>07<br>05   |                              |
|   |             | 0<br>7<br>3<br>2 | 0<br>7<br>3<br>2 | 0<br>7<br>3<br>2 | 0<br>7<br>3<br>2 | 0<br>6<br>3<br>4 | 0<br>7<br>3<br>3 | 0<br>5<br>6<br>8 | 0<br>7<br>3<br>3 | 0<br>7<br>3<br>3 | 0<br>7<br>3<br>3 | 0<br>7<br>3<br>3 | 0<br>7<br>3<br>3 | 0<br>7<br>3<br>3 | 0<br>7<br>3<br>3 | 0<br>6<br>3<br>8 | 0<br>7<br>3<br>1 | 0<br>7<br>3<br>1 | 0<br>7<br>3<br>0 | 0<br>6<br>7<br>7 | 0<br>7<br>5<br>2 | 0<br>7<br>3<br>9 | 0<br>7<br>3<br>2 | 0<br>6<br>7<br>4 | 0<br>7<br>6<br>3 | 0<br>7<br>7<br>2 |                              |

Papilla, Necrosis

2

Renal Tubule, Accumulation, Hyaline Droplet

Renal Tubule, Atrophy

Renal Tubule, Degeneration

Renal Tubule, Dilatation

1 1 1 1 1 1 1 1 1 1 2 1 1 1

Urinary Bladder

+ +

\* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

X .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked



Experiment Number: 20209 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

**P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL**  
 Pentabromodiphenyl oxide (technical) (DE 71)  
 CAS Number: 32534-81-9

Date Report Requested: 09/10/2014  
 Time Report Requested: 08:48:43  
 First Dose M/F: 02/25/08 / 02/25/08  
 Lab: SRI

|                           |           | DAY ON TEST |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       | * TOTALS |
|---------------------------|-----------|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------|
|                           |           | 0733        | 0731  | 0733  | 0712  | 0752  | 0741  | 0755  | 0772  | 0772  | 0766  | 0766  | 0774  | 0777  | 0777  | 0777  | 0777  | 0747  | 0773  | 0773  | 0773  |          |
| <b>B6C3F1 MICE FEMALE</b> |           | 033         | 031   | 033   | 032   | 032   | 031   | 035   | 037   | 037   | 036   | 036   | 037   | 037   | 037   | 037   | 037   | 034   | 037   | 037   | 037   | 037      |
| <b>3 MG/KG</b>            | ANIMAL ID | 00276       | 00277 | 00278 | 00279 | 00280 | 00281 | 00282 | 00283 | 00284 | 00285 | 00286 | 00287 | 00288 | 00289 | 00290 | 00291 | 00292 | 00293 | 00294 | 00295 | 00296    |
|                           |           | 0           | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0        |
|                           |           | 0           | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0        |
|                           |           | 2           | 2     | 2     | 2     | 2     | 2     | 2     | 2     | 2     | 2     | 2     | 2     | 2     | 2     | 2     | 2     | 2     | 2     | 2     | 2     | 2        |
|                           |           | 7           | 7     | 7     | 7     | 8     | 8     | 8     | 8     | 8     | 8     | 8     | 8     | 8     | 8     | 9     | 9     | 9     | 9     | 9     | 9     | 9        |
|                           |           | 6           | 7     | 8     | 9     | 0     | 1     | 2     | 3     | 4     | 5     | 6     | 7     | 8     | 9     | 0     | 1     | 2     | 3     | 4     | 5     | 6        |

**ALIMENTARY SYSTEM**

|                                  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |           |           |              |              |            |
|----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------|-----------|--------------|--------------|------------|
| Esophagus                        | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | <b>50</b> |           |              |              |            |
| Inflammation, Chronic            |   |   |   |   |   |   |   |   |   |   |   |   |   | 1 |   |   |   |   |   |   |   |   |           |           | <b>1 1.0</b> |              |            |
| Muscularis, Degeneration         |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 2         |           |              | <b>1 2.0</b> |            |
| Gallbladder                      | + | + | + | A | A | + | + | + | + | + | + | + | A | + | + | + | + | + | M | + | + | + | +         | <b>44</b> |              |              |            |
| Intestine Large, Cecum           | + | + | + | A | A | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | +         | <b>45</b> |              |              |            |
| Intestine Large, Colon           | + | + | + | A | A | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | +         | <b>45</b> |              |              |            |
| Intestine Large, Rectum          | + | + | + | A | A | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | +         | <b>46</b> |              |              |            |
| Edema                            |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |           |           | <b>1 3.0</b> |              |            |
| Intestine Small, Duodenum        | + | + | + | A | A | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | +         | <b>45</b> |              |              |            |
| Intestine Small, Ileum           | + | + | + | A | A | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | +         | <b>45</b> |              |              |            |
| Intestine Small, Jejunum         | + | + | + | A | A | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | +         | <b>45</b> |              |              |            |
| Liver                            | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | +         | <b>49</b> |              |              |            |
| Basophilic Focus                 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |           |           | <b>1</b>     |              |            |
| Clear Cell Focus                 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | X |   |           |           | <b>3</b>     |              |            |
| Eosinophilic Focus               |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |           |           | <b>1</b>     |              |            |
| Eosinophilic Focus, Multiple     |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |           |           | <b>1</b>     |              |            |
| Fatty Change                     |   |   |   |   |   |   |   | 1 |   | 1 |   |   |   | 3 |   |   |   | 1 |   | 1 | 2 |   | 2         | 2         | 1            | <b>18</b>    | <b>1.4</b> |
| Fibrosis                         |   |   |   |   |   |   | 2 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |           |           | <b>1</b>     | <b>2.0</b>   |            |
| Hematopoietic Cell Proliferation |   |   |   |   |   |   |   |   | 1 |   |   |   | 2 |   | 1 |   |   |   | 1 |   |   | 1 |           |           | <b>15</b>    | <b>1.1</b>   |            |
| Hemorrhage                       |   |   |   |   |   |   |   |   |   |   | 2 |   |   |   |   |   |   |   |   |   |   |   |           |           | <b>1</b>     | <b>2.0</b>   |            |
| Inflammation, Chronic            | 2 |   | 1 | 2 |   |   |   | 1 |   |   |   | 2 | 1 | 1 |   |   | 2 | 1 | 2 |   | 1 | 1 | 1         | 1         | 2            | <b>33</b>    | <b>1.3</b> |

\* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

X .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

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CAS Number: 32534-81-9

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First Dose M/F: 02/25/08 / 02/25/08

Lab: SRI

| B6C3F1 MICE FEMALE<br>3 MG/KG           | DAY ON TEST | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0     | * TOTALS |
|---|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-------|----------|
|   | ANIMAL ID   | 7 | 7 | 7 | 7 | 5 | 4 | 5 | 7 | 7 | 6 | 7 | 7 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 4 | 7 | 7 | 7 | 7 | 7     |          |
|   |             | 3 | 3 | 3 | 1 | 2 | 2 | 7 | 3 | 3 | 1 | 3 | 3 | 9 | 4 | 3 | 3 | 3 | 3 | 3 | 7 | 3 | 3 | 3 | 3 | 1     |          |
|   |             | 3 | 1 | 3 | 2 | 2 | 1 | 5 | 2 | 2 | 8 | 2 | 2 | 0 | 7 | 2 | 2 | 2 | 2 | 2 | 2 | 3 | 1 | 1 | 1 | 1     |          |
|   |             | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0     |          |
|   |             | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0     |          |
|   |             | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 3     |          |
|   |             | 7 | 7 | 7 | 7 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 0     |          |
|   |             | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0     |          |
|   |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 2 |       |          |
| Mixed Cell Focus                        |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | X     | 2        |
| Necrosis, Focal                         |             |   |   |   |   |   |   |   |   |   |   |   | 2 |   |   |   |   |   |   |   |   |   |   |   |   |       | 1 2.0    |
| Tension Lipidosis                       |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 2 |   |   |   |   |   |   |   |   |   |       | 2 2.0    |
| Centrilobular, Hepatocyte, Hypertrophy  |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1     | 7 1.0    |
| Kupffer Cell, Pigmentation              |             |   |   |   |   |   | 1 |   |   |   | 1 | 1 |   |   |   |   |   |   |   |   |   |   |   |   |   | 1     | 10 1.1   |
| Mesentery                               |             | + | + |   |   |   |   |   | + |   | + | + |   |   | + | + |   |   |   | + | + | + |   |   |   |       | 26       |
| Accessory Spleen                        |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |       | 1        |
| Cyst                                    |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |       | 1        |
| Inflammation, Chronic                   |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |       | 1 2.0    |
| Mineralization                          |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |       | 1 2.0    |
| Fat, Necrosis                           |             | 2 | 2 |   |   |   |   |   |   |   |   |   | 3 |   |   | 2 |   |   |   |   | 3 | 3 |   |   |   | 3 2 3 | 22 2.4   |
| Oral Mucosa                             |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |       | 1        |
| Pancreas                                |             | + | + | + | + |   | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |       | 48       |
| Atrophy                                 |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |       | 8 1.9    |
| Cyst                                    |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |       | 3 2.3    |
| Fibrosis                                |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |       | 1 2.0    |
| Inflammation, Chronic                   |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |       | 31 1.2   |
| Inflammation, Chronic Active            |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |       | 1 3.0    |
| Necrosis                                |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |       | 1 2.0    |
| Salivary Glands                         |             | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |       | 50       |
| Infiltration Cellular, Mononuclear Cell |             | 1 | 1 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |       | 37 1.2   |
| Mineralization                          |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |       | 5 1.0    |
| Stomach, Forestomach                    |             | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |       | 50       |
| Erosion                                 |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |       | 1 1.0    |
| Inflammation                            |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |       | 3 1.7    |
| Mineralization                          |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |       | 1 2.0    |

\* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade  
+ .. Tissue examined microscopically  
X .. Lesion present  
I .. Insufficient tissue  
M .. Missing tissue  
A .. Autolysis precludes evaluation  
BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:  
1) Minimal 3) Moderate  
2) Mild 4) Marked

Experiment Number: 20209 - 04

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: MICE/B6C3F1

**P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL**

Pentabromodiphenyl oxide (technical) (DE 71)

CAS Number: 32534-81-9

Date Report Requested: 09/10/2014

Time Report Requested: 08:48:43

First Dose M/F: 02/25/08 / 02/25/08

Lab: SRI

| B6C3F1 MICE FEMALE<br>3 MG/KG     | DAY ON TEST |   | ANIMAL ID |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | * TOTALS |       |   |        |
|-----------------------------------|-------------|---|-----------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----------|-------|---|--------|
|                                   | 0           | 0 | 0         | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |          |       | 0 |        |
|                                   | 7           | 7 | 7         | 7 | 5 | 4 | 5 | 7 | 7 | 6 | 7 | 7 | 6 | 6 | 7 | 7 | 7 | 7 | 4 | 7 | 7 | 7 |          |       | 7 |        |
|                                   | 3           | 3 | 3         | 1 | 2 | 2 | 7 | 3 | 3 | 1 | 3 | 3 | 9 | 4 | 3 | 3 | 3 | 3 | 7 | 3 | 3 | 3 | 1        |       |   |        |
|                                   | 3           | 1 | 3         | 2 | 2 | 1 | 5 | 2 | 2 | 8 | 2 | 2 | 0 | 7 | 2 | 2 | 2 | 2 | 3 | 1 | 1 | 1 | 1        |       |   |        |
|                                   | 0           | 0 | 0         | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0        |       |   |        |
|                                   | 0           | 0 | 0         | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0        |       |   |        |
|                                   | 2           | 2 | 2         | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 3        |       |   |        |
|                                   | 7           | 7 | 7         | 7 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 0        |       |   |        |
|                                   | 6           | 7 | 8         | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8        |       |   |        |
|                                   |             |   |           |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |          |       |   |        |
| Ulcer                             |             |   |           |   |   |   |   |   |   |   |   |   |   | 2 | 2 |   |   |   |   |   |   |   |          |       |   |        |
| Epithelium, Hyperplasia           |             |   |           |   |   |   |   |   |   | 1 |   |   | 4 | 1 |   |   |   |   |   |   |   |   |          |       |   |        |
|                                   |             |   |           |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |          |       |   |        |
| Stomach, Glandular                |             |   |           |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |          |       |   |        |
| Inflammation, Acute               | +           | + | +         | A | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | 47       |       |   |        |
| Mineralization                    | 1           |   |           |   |   | 1 |   |   |   |   | 2 |   |   |   |   | 1 |   |   |   |   |   |   | 1 1.0    |       |   |        |
| Ulcer                             |             |   |           |   |   |   |   |   |   |   |   |   |   | 1 |   |   |   |   |   |   |   |   | 1 1.0    |       |   |        |
| Glands, Ectasia, Focal            |             |   |           |   |   |   |   |   |   | 1 |   |   |   |   |   |   |   |   |   |   |   |   | 3 1.7    |       |   |        |
| <b>CARDIOVASCULAR SYSTEM</b>      |             |   |           |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |          |       |   |        |
| Blood Vessel                      | +           | + | +         | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | +        | 49    |   |        |
| Heart                             | +           | + | +         | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | +        | 50    |   |        |
| Cardiomyopathy                    |             |   |           |   |   |   |   |   |   |   | 1 |   |   |   |   |   |   |   |   |   | 1 |   | 8 1.0    |       |   |        |
| Inflammation, Chronic             |             |   |           |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1 1.0    |       |   |        |
| Mineralization                    |             |   |           |   |   | 1 |   |   |   |   |   |   |   | 2 |   |   |   |   |   |   |   |   | 4 1.5    |       |   |        |
| <b>ENDOCRINE SYSTEM</b>           |             |   |           |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |          |       |   |        |
| Adrenal Cortex                    | +           | + | +         | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50       |       |   |        |
| Accessory Adrenal Cortical Nodule |             |   |           |   |   | 2 |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 2 |   | 5 2.0    |       |   |        |
| Degeneration, Fatty               |             |   |           |   |   |   |   |   |   |   |   | 4 |   |   |   |   | 1 |   |   |   |   | 2 | 2 2.5    |       |   |        |
| Hematopoietic Cell Proliferation  |             |   |           |   |   |   |   |   |   |   |   | 3 |   |   |   |   |   |   |   |   |   | 1 | 2 2.0    |       |   |        |
| Hyperplasia, Focal                |             |   |           |   |   | 3 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1 3.0    |       |   |        |
| Hypertrophy, Focal                |             |   |           |   |   |   |   |   |   | 1 |   |   |   |   |   |   |   |   |   |   |   |   | 4 1.3    |       |   |        |
| Capsule, Hyperplasia              | 2           | 2 | 3         | 2 | 2 | 2 | 3 | 2 | 4 | 2 | 2 | 3 | 2 | 2 | 4 | 2 | 2 | 3 | 3 | 2 | 4 | 2 | 2        | 3     | 2 | 50 2.6 |
| Adrenal Medulla                   | +           | + | +         | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | +        | 50    |   |        |
| Pigmentation                      |             |   |           |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 2        | 1 2.0 |   |        |

\* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

X .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

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1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

Experiment Number: 20209 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL  
 Pentabromodiphenyl oxide (technical) (DE 71)  
 CAS Number: 32534-81-9

Date Report Requested: 09/10/2014  
 Time Report Requested: 08:48:43  
 First Dose M/F: 02/25/08 / 02/25/08  
 Lab: SRI

| B6C3F1 MICE FEMALE<br>3 MG/KG                         | DAY ON TEST |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | * TOTALS |      |      |       |       |       |
|---|-------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|----------|------|------|-------|-------|-------|
|   | 0733        | 0773 | 0773 | 0773 | 0522 | 0422 | 0572 | 0773 | 0773 | 0666 | 0773 | 0773 | 0666 | 0666 | 0773 | 0773 | 0773 | 0773 | 0473 | 0773 | 0773 | 0773 |          |      | 0773 |       |       |       |
| ANIMAL ID   | 0076        | 0077 | 0078 | 0079 | 0080 | 0081 | 0082 | 0083 | 0084 | 0085 | 0086 | 0087 | 0088 | 0089 | 0090 | 0091 | 0092 | 0093 | 0094 | 0095 | 0096 | 0097 | 0098     | 0099 |      |       |       |       |
| Islets, Pancreatic Hyperplasia                        | +           | +    | +    | +    | A    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +        | +    | 48   | 3 1.0 |       |       |
| Parathyroid Gland Cyst                                | +           | +    | +    | +    | +    | +    | +    | +    | +    | +    | M    | +    | +    | +    | +    | +    | +    | +    | +    | +    | 2    | M    | +        | +    | +    | +     | 48    | 1 2.0 |
| Pituitary Gland Pars Distalis, Angiectasis            | +           | +    | +    | +    | I    | +    | +    | +    | +    | +    | +    | +    | +    | A    | +    | +    | +    | +    | +    | +    | I    | +    | +        | +    | +    | 47    | 1 2.0 |       |
| Pituitary Gland Pars Distalis, Hyperplasia            | 4           |      |      |      |      |      |      |      |      |      | 1    |      | 3    |      | 2    |      |      |      |      |      | 1    |      |          |      | 4    | 13    | 1.9   |       |
| Thyroid Gland Infiltration Cellular, Mononuclear Cell | +           | +    | +    | +    | +    | +    | +    | +    | +    | +    | M    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +        | +    | 49   | 1 2.0 |       |       |
| Thyroid Gland Inflammation, Chronic                   |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |          |      | 1    | 1.0   |       |       |
| Thyroid Gland Follicle, Cyst                          |             |      |      | X    |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |          |      | 1    |       |       |       |
| Thyroid Gland Follicle, Degeneration                  | 2           | 2    |      |      |      | 2    | 3    |      | 1    | 2    |      |      |      |      | 2    | 2    |      | 2    | 1    | 3    |      | 2    | 2        |      | 2    | 28    | 2.0   |       |
| Thyroid Gland Follicle, Degeneration, Focal           |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |          |      | 1    | 1.0   |       |       |
| Thyroid Gland Follicle, Hypertrophy                   |             |      | 1    | 3    | 3    |      | 1    |      | 1    | 1    |      | 3    |      | 3    | 1    |      | 1    | 2    |      | 1    | 2    | 1    | 1        | 1    | 1    | 31    | 1.5   |       |
| <b>GENERAL BODY SYSTEM</b>                            |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |          |      |      |       |       |       |
| Tissue NOS  |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |          |      |      |       | 2     |       |
| Fibrosis  |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |          |      |      |       |       | 1 3.0 |
| Inflammation, Chronic                                 |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |          |      |      |       |       | 1 2.0 |
| Mineralization  |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |          |      |      |       |       | 1 2.0 |
| Fat, Fibrosis   |             |      |      |      |      |      |      |      |      |      |      |      | 4    |      |      |      |      |      |      |      |      |      |          |      |      |       |       | 1 4.0 |
| Fat, Inflammation, Chronic Active                     |             |      |      |      |      |      |      |      |      |      |      |      | 3    |      |      |      |      |      |      |      |      |      |          |      |      |       |       | 1 3.0 |
| Fat, Necrosis   |             |      |      |      |      |      |      |      |      |      |      |      | 2    |      |      |      |      |      |      |      |      |      |          |      |      |       |       | 1 2.0 |
| <b>GENITAL SYSTEM</b>                                 |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |          |      |      |       |       |       |

\* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade  
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Experiment Number: 20209 - 04

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Route: GAVAGE

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P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Pentabromodiphenyl oxide (technical) (DE 71)

CAS Number: 32534-81-9

Date Report Requested: 09/10/2014

Time Report Requested: 08:48:43

First Dose M/F: 02/25/08 / 02/25/08

Lab: SRI

| B6C3F1 MICE FEMALE<br>3 MG/KG  | DAY ON TEST |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | * TOTALS |   |   |   |   |   |   |    |     |   |   |   |   |   |   |   |    |    |    |     |     |     |
|--|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----------|---|---|---|---|---|---|----|-----|---|---|---|---|---|---|---|----|----|----|-----|-----|-----|
|  | 0           | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |          |   | 0 |   |   |   |   |    |     |   |   |   |   |   |   |   |    |    |    |     |     |     |
|  | ANIMAL ID   | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0        | 0 |   |   |   |   |   |    |     |   |   |   |   |   |   |   |    |    |    |     |     |     |
|  |             | 7 | 7 | 7 | 7 | 5 | 4 | 5 | 7 | 7 | 6 | 7 | 7 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 4        | 7 | 7 | 7 | 7 | 7 | 7 | 7  |     |   |   |   |   |   |   |   |    |    |    |     |     |     |
|  |             | 3 | 3 | 3 | 1 | 2 | 2 | 7 | 3 | 3 | 1 | 3 | 3 | 9 | 4 | 3 | 3 | 3 | 3 | 3 | 7        | 3 | 3 | 3 | 3 | 3 | 1 | 5  |     |   |   |   |   |   |   |   |    |    |    |     |     |     |
|  |             | 3 | 1 | 3 | 2 | 2 | 1 | 5 | 2 | 2 | 8 | 2 | 2 | 0 | 7 | 2 | 2 | 2 | 2 | 2 | 3        | 3 | 3 | 3 | 3 | 3 | 3 | 3  |     |   |   |   |   |   |   |   |    |    |    |     |     |     |
|  |             | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0        | 0 | 0 | 0 | 0 | 0 | 0 | 0  |     |   |   |   |   |   |   |   |    |    |    |     |     |     |
|  |             | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0        | 0 | 0 | 0 | 0 | 0 | 0 | 0  |     |   |   |   |   |   |   |   |    |    |    |     |     |     |
|  |             | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2        | 2 | 2 | 2 | 2 | 2 | 3 | 3  |     |   |   |   |   |   |   |   |    |    |    |     |     |     |
|  |             | 7 | 7 | 7 | 7 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9        | 9 | 9 | 9 | 9 | 9 | 9 | 0  |     |   |   |   |   |   |   |   |    |    |    |     |     |     |
|  |             | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5        | 6 | 7 | 8 | 9 | 0 | 0 | 0  |     |   |   |   |   |   |   |   |    |    |    |     |     |     |
|  |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |          |   |   |   |   |   |   |    |     |   |   |   |   |   |   |   |    |    |    |     |     |     |
| Clitoral Gland<br>Inflammation, Chronic Active   |             | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | +        | + | M | + | + | + | + | 49 |     |   |   |   |   |   |   |   |    |    |    |     |     |     |
|  |             |   |   |   |   |   |   | 1 | 1 |   | 1 |   |   | 1 |   |   |   |   |   |   |          | 1 |   |   |   |   |   | 13 | 1.1 |   |   |   |   |   |   |   |    |    |    |     |     |     |
| Ovary<br>Cyst  |             | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | +        | + | + | + | + | + | + | 49 |     |   |   |   |   |   |   |   |    |    |    |     |     |     |
|  |             | 2 |   | 2 |   |   |   | 2 |   |   |   |   |   | 2 |   | 2 |   |   |   | 2 |          |   |   |   |   |   | 2 | 13 | 2.0 |   |   |   |   |   |   |   |    |    |    |     |     |     |
| Uterus<br>Hemorrhage<br>Hyperplasia, Cystic  |             | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | +        | + | + | + | + | + | + | 50 |     |   |   |   |   |   |   |   |    |    |    |     |     |     |
|  |             | 3 | 1 | 3 | 1 |   | 2 | 1 | 3 | 2 | 1 |   | 4 | 4 |   | 1 | 1 | 2 | 3 | 3 | 2        | 4 | 1 | 1 | 2 | 2 | 2 | 2  | 2   | 2 |   |   |   |   |   |   |    |    |    |     |     |     |
|  |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |          |   |   |   |   |   |   |    | 2   | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2  | 2  |    |     |     |     |
|  |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |          |   |   |   |   |   |   |    |     |   |   |   |   |   |   |   |    |    |    |     |     |     |
| Vagina   |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   | + |   |   |   |   |          |   |   |   |   |   |   |    |     |   |   |   |   |   |   |   |    |    | 1  |     |     |     |
| <b>HEMATOPOIETIC SYSTEM</b>  |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |          |   |   |   |   |   |   |    |     |   |   |   |   |   |   |   |    |    |    |     |     |     |
| Bone Marrow<br>Myeloid Cell, Hyperplasia   |             | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | +        | + | + | + | + | + | + | +  | +   | + | + | + | + | + | + | + | 50 |    |    |     |     |     |
|  |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 4 |   |   |   |          |   |   |   |   |   |   |    |     |   |   |   |   |   |   |   |    |    | 3  | 2.7 |     |     |
| Lymph Node<br>Ectasia<br>Hemorrhage<br>Hyperplasia, Lymphoid<br>Pigmentation<br>Iliac, Hemorrhage<br>Pancreatic, Hyperplasia, Lymphoid<br>Renal, Hematopoietic Cell Proliferation<br>Renal, Pigmentation |             |   | + | + |   |   | + |   |   |   |   |   |   | + |   |   |   |   |   | + | +        | + |   |   |   |   |   |    |     |   |   |   |   |   |   |   |    | 17 |    |     |     |     |
|  |             |   |   | 4 |   |   |   |   |   |   |   |   |   |   | 3 |   |   |   |   |   | 4        |   |   | 4 |   |   |   |    |     |   |   |   |   |   |   |   |    |    | 6  | 3.7 |     |     |
|  |             |   |   |   |   |   | 2 |   |   |   |   |   |   |   |   |   |   |   |   |   |          |   |   |   |   |   |   |    |     |   |   |   |   |   |   |   |    |    |    | 5   | 4.0 |     |
|  |             |   |   | 3 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |          |   |   |   |   |   | 2 |    |     |   |   |   |   |   |   |   |    |    |    | 5   | 2.6 |     |
|  |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |          |   |   |   |   |   |   |    |     |   |   |   |   |   |   |   |    |    |    | 1   | 4.0 |     |
|  |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |          |   |   |   |   |   |   |    |     |   |   |   |   |   |   |   |    |    |    | 1   | 3.0 |     |
|  |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |          |   |   |   |   |   |   |    |     |   |   |   |   |   |   |   |    |    |    | 1   | 2.0 |     |
|  |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |          |   |   |   |   |   |   |    |     |   |   |   |   |   |   |   |    |    |    | 1   | 2.0 |     |
| Lymph Node, Mandibular<br>Hyperplasia, Lymphoid<br>Hyperplasia, Plasma Cell  |             | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | +        | + | + | + | + | + | + | +  | +   | + | + | + | + | + | + | + | +  | +  | 50 |     |     |     |
|  |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |          |   |   |   |   |   |   |    |     |   |   |   |   |   |   |   |    |    |    |     | 3   | 2.0 |
|  |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |          |   |   |   |   |   |   |    |     |   |   |   |   |   |   |   |    |    |    |     | 1   | 2.0 |

\* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

X .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

Experiment Number: 20209 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

**P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL**  
 Pentabromodiphenyl oxide (technical) (DE 71)  
 CAS Number: 32534-81-9

Date Report Requested: 09/10/2014  
 Time Report Requested: 08:48:43  
 First Dose M/F: 02/25/08 / 02/25/08  
 Lab: SRI

| B6C3F1 MICE FEMALE<br>3 MG/KG    | DAY ON TEST |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | * TOTALS  |            |            |            |
|----------------------------------|-------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-----------|------------|------------|------------|
|                                  | 0733        | 0731 | 0733 | 0712 | 0722 | 0721 | 0752 | 0773 | 0773 | 0761 | 0773 | 0766 | 0766 | 0774 | 0773 | 0773 | 0773 | 0773 | 0747 | 0773 | 0773 | 0773 | 0771 | 0771 |           |            |            |            |
| ANIMAL ID                        | 0076        | 0077 | 0078 | 0079 | 0080 | 0081 | 0082 | 0083 | 0084 | 0085 | 0086 | 0087 | 0088 | 0089 | 0090 | 0091 | 0092 | 0093 | 0094 | 0095 | 0096 | 0097 | 0098 | 0099 | 0100      |            |            |            |
| Pigmentation                     | 3           | 3    | 1    |      |      | 2    | 2    | 3    |      | 1    | 2    | 2    | 3    |      | 4    | 2    | 3    | 2    | 2    | 1    | 4    | 2    | 2    | 3    | <b>39</b> | <b>2.1</b> |            |            |
| Lymph Node, Mesenteric Ectasia   | +           | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | A    | +    | +    | I    | +    | +    | +    | +    | +    | +    | <b>45</b> | <b>1</b>   | <b>2.0</b> |            |
| Hemorrhage                       |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |           | <b>2</b>   | <b>1.5</b> |            |
| Hyperplasia, Lymphoid            |             |      |      |      |      |      |      |      |      |      |      | 2    |      |      |      |      |      |      |      |      |      |      |      |      |           | <b>1</b>   | <b>2.0</b> |            |
| Spleen                           | +           | +    | +    | A    | +    | +    | +    | +    | +    | +    | +    | +    | +    | A    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | <b>47</b> | <b>1</b>   | <b>2.9</b> |            |
| Accessory Spleen                 |             | X    |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |           | <b>10</b>  | <b>2.9</b> |            |
| Hematopoietic Cell Proliferation |             | 4    |      |      |      | 2    |      |      |      | 4    |      |      |      |      |      |      |      |      |      |      |      |      |      | 4    |           | <b>26</b>  | <b>1.8</b> |            |
| Pigmentation                     | 2           |      | 2    |      |      |      |      |      |      |      |      | 1    | 2    |      |      | 1    | 2    |      | 2    | 2    |      | 1    |      | 2    |           | <b>1</b>   | <b>1.0</b> |            |
| Lymphoid Follicle, Atrophy       |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |           | <b>20</b>  | <b>1.7</b> |            |
| Lymphoid Follicle, Hyperplasia   | 3           |      | 2    |      |      |      |      | 4    |      |      | 4    |      |      |      | 2    | 1    |      |      |      | 2    | 1    | 2    | 1    |      |           | <b>20</b>  | <b>1.7</b> |            |
| Thymus                           | +           | +    | +    | M    | A    | +    | +    | +    | +    | +    | +    | +    | +    | A    | +    | +    | +    | +    | I    | +    | +    | +    | +    | +    | <b>45</b> | <b>22</b>  | <b>1.7</b> |            |
| Atrophy                          |             | 1    |      |      |      | 1    |      |      |      |      | 1    | 1    | 1    | 4    |      |      |      |      |      |      |      |      | 1    | 1    | 4         |            | <b>6</b>   | <b>2.0</b> |
| Cyst                             |             | 2    |      |      |      |      |      |      |      | 2    |      |      |      |      |      |      |      | 2    | 2    |      | 2    |      |      |      |           | <b>16</b>  | <b>1.9</b> |            |
| Hyperplasia, Lymphoid            |             | 2    | 2    |      |      |      |      | 2    | 2    |      |      |      |      |      |      |      |      | 2    | 4    |      |      |      | 2    |      |           | <b>1</b>   | <b>1.0</b> |            |
| Necrosis, Lymphoid               |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |           |            |            |            |
| <b>INTEGUMENTARY SYSTEM</b>      |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |           |            |            |            |
| Mammary Gland                    | +           | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | <b>50</b> | <b>28</b>  | <b>1.4</b> |            |
| Galactocele                      |             |      | 2    | 1    |      |      | 1    | 1    | 1    | 1    | 1    |      |      | 2    |      | 3    |      |      |      |      |      |      |      | 1    |           | <b>2</b>   | <b>1.0</b> |            |
| Inflammation, Chronic            |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | 1    |      |      |      |      |      |      |           |            |            |            |
| Skin                             | +           | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | <b>50</b> | <b>2</b>   | <b>3.5</b> |            |
| Edema                            |             | 3    |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |           | <b>1</b>   | <b>1.0</b> |            |
| Foreign Body                     |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |           | <b>2</b>   | <b>2.0</b> |            |
| Hemorrhage                       |             |      |      |      |      |      |      |      |      |      |      |      | 2    |      |      |      |      |      |      |      |      |      | 2    |      |           | <b>1</b>   | <b>3.0</b> |            |
| Hyperkeratosis                   |             |      |      |      |      | 3    |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |           |            |            |            |

\* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

X .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked



Experiment Number: 20209 - 04

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: MICE/B6C3F1

**P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL**

Pentabromodiphenyl oxide (technical) (DE 71)

CAS Number: 32534-81-9

Date Report Requested: 09/10/2014

Time Report Requested: 08:48:43

First Dose M/F: 02/25/08 / 02/25/08

Lab: SRI

|                           | DAY ON TEST |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | * TOTALS |   |          |  |
|---------------------------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----------|---|----------|--|
| <b>B6C3F1 MICE FEMALE</b> | 0           | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |          | 0 |          |  |
| <b>3 MG/KG</b>            | 7           | 7 | 7 | 7 | 5 | 4 | 5 | 7 | 7 | 6 | 7 | 7 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 4 | 7 | 7 | 7 | 7        | 7 |          |  |
|                           | 3           | 3 | 3 | 1 | 2 | 2 | 7 | 3 | 3 | 1 | 3 | 3 | 9 | 4 | 3 | 3 | 3 | 3 | 3 | 3 | 7 | 3 | 3 | 3 | 3        | 1 |          |  |
|                           | 3           | 1 | 3 | 2 | 2 | 1 | 5 | 2 | 2 | 8 | 2 | 2 | 0 | 7 | 2 | 2 | 2 | 2 | 2 | 2 | 3 | 1 | 1 | 1 | 1        | 5 |          |  |
|                           | 0           | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0        | 0 | * TOTALS |  |
|                           | 0           | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0        | 0 |          |  |
|                           | 2           | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2        | 3 |          |  |
|                           | 7           | 7 | 7 | 7 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9        | 0 |          |  |
|                           | 6           | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0        | 0 |          |  |

Spinal Cord + 1

**RESPIRATORY SYSTEM**

|                                   |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |       |
|-----------------------------------|---|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|----|-------|
| Lung                              | + |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 50 |       |
| Congestion                        |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    | 1 2.0 |
| Hemorrhage                        |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 2  | 3 2.3 |
| Infiltration Cellular, Histiocyte |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1  | 2 1.5 |
| Mineralization                    |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    | 2 1.0 |
| Nose                              | + |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 50 |       |
| Foreign Body                      |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    | 3     |
| Inflammation, Acute               |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1  | 6 1.3 |
| Trachea                           | + |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 50 |       |

**SPECIAL SENSES SYSTEM**

|                       |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |       |
|-----------------------|---|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|----|-------|
| Eye                   | + |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 45 |       |
| Atrophy               |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | A  | 1 4.0 |
| Harderian Gland       | + |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 49 |       |
| Hyperplasia           |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    | 2 2.5 |
| Inflammation, Chronic |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | M  | 1 1.0 |

**URINARY SYSTEM**

|   |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |        |
|---|---|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|----|--------|
| Kidney                                  | + |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 50 |        |
| Infiltration Cellular, Mononuclear Cell |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    | 44 1.1 |
| Mineralization                          |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    | 5 1.0  |
| Nephropathy                             |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 2  | 9 1.2  |

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+ .. Tissue examined microscopically

X .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

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1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked



Experiment Number: 20209 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

**P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL**  
 Pentabromodiphenyl oxide (technical) (DE 71)  
 CAS Number: 32534-81-9

Date Report Requested: 09/10/2014  
 Time Report Requested: 08:48:43  
 First Dose M/F: 02/25/08 / 02/25/08  
 Lab: SRI

| B6C3F1 MICE FEMALE<br>3 MG/KG               | DAY ON TEST |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       | * TOTALS      |
|---|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|---------------|
|   | 0733        | 0731  | 0732  | 0752  | 0742  | 0751  | 0772  | 0773  | 0761  | 0773  | 0766  | 0766  | 0774  | 0773  | 0773  | 0773  | 0773  | 0773  | 0773  | 0747  | 0773  | 0773  | 0773  | 0773  | 0773  |               |
| ANIMAL ID                                   | 00276       | 00277 | 00278 | 00279 | 00280 | 00281 | 00282 | 00283 | 00284 | 00285 | 00286 | 00287 | 00288 | 00289 | 00290 | 00291 | 00292 | 00293 | 00294 | 00295 | 00296 | 00297 | 00298 | 00299 | 00300 |               |
| Papilla, Necrosis                           | 2           |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       | <b>2 2.0</b>  |
| Renal Tubule, Accumulation, Hyaline Droplet |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       | <b>1 3.0</b>  |
| Renal Tubule, Atrophy                       | 1           |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       | <b>1 1.0</b>  |
| Renal Tubule, Degeneration                  |             |       |       | 1     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       | <b>1 1.0</b>  |
| Renal Tubule, Dilatation                    |             |       |       |       |       |       |       | 1     | 1     | 1     |       |       | 1     |       | 1     |       |       |       |       | 1     |       | 1     | 1     |       | 1     | <b>23 1.0</b> |
| Urinary Bladder                             | +           | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | <b>50</b>     |

\* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade  
 + .. Tissue examined microscopically  
 X .. Lesion present  
 I .. Insufficient tissue  
 M .. Missing tissue  
 A .. Autolysis precludes evaluation  
 BLANK .. Not examined microscopically  
 1-4 .. Lesion qualified as:  
 1) Minimal 3) Moderate  
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Experiment Number: 20209 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL  
 Pentabromodiphenyl oxide (technical) (DE 71)  
 CAS Number: 32534-81-9

Date Report Requested: 09/10/2014  
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 First Dose M/F: 02/25/08 / 02/25/08  
 Lab: SRI

|                           |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|---------------------------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| <b>B6C3F1 MICE FEMALE</b> | DAY ON TEST | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|                           |             | 7 | 7 | 7 | 7 | 5 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 6 | 7 | 6 | 7 | 5 | 7 | 7 | 7 | 7 | 6 | 7 | 7 | 6 | 7 | 7 | 6 | 7 | 7 |   |
| <b>30 MG/KG</b>           | ANIMAL ID   | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |   |
|                           |             | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

females  
(cont...)

### ALIMENTARY SYSTEM

|  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Esophagus<br>Foreign Body<br>Inflammation, Acute<br>Muscularis, Degeneration | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Gallbladder  | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | A | + | + | + | + | + | + | + |
| Intestine Large, Cecum   | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | A | + | + | + | + | + | + | + |
| Intestine Large, Colon   | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | A | + | + | + | + | + | + | + |
| Intestine Large, Rectum<br>Diverticulum                                      | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | A | + | + | + | + | + | + | + |
| Intestine Small, Duodenum  | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | A | + | + | + | + | + | + | + |
| Intestine Small, Ileum   | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | A | + | + | + | + | + | + | + |
| Intestine Small, Jejunum<br>Inflammation, Acute                              | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | A | + | + | + | + | + | + | + |
| Liver  | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Basophilic Focus   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Clear Cell Focus   |   |   |   | X |   |   |   |   |   |   |   |   |   |   |   |   |   |   | X |   |   |   |   |   |   |   |   |   |   |   |
| Eosinophilic Focus   |   |   | X | X |   | X | X |   | X | X | X | X |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Eosinophilic Focus, Multiple   |   | X |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Fatty Change   | 2 | 1 | 2 |   | 1 | 2 | 2 |   | 2 | 2 |   |   | 3 | 2 |   |   | 2 | 1 | 2 | 1 | 1 |   |   |   | 2 | 1 |   |   |   |   |
| Hematopoietic Cell Proliferation   | 1 |   |   |   | 2 | 1 |   |   |   |   |   |   |   |   |   |   | 1 |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Hemorrhage   |   |   |   |   |   |   |   |   |   |   | 1 | 2 |   |   |   |   |   |   |   | 1 |   |   | 1 |   |   |   |   |   |   |   |

\* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade  
 + .. Tissue examined microscopically  
 X .. Lesion present  
 I .. Insufficient tissue  
 M .. Missing tissue  
 A .. Autolysis precludes evaluation  
 BLANK .. Not examined microscopically  
 1-4 .. Lesion qualified as:  
 1) Minimal 3) Moderate  
 2) Mild 4) Marked

Experiment Number: 20209 - 04

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Pentabromodiphenyl oxide (technical) (DE 71)

CAS Number: 32534-81-9

Date Report Requested: 09/10/2014

Time Report Requested: 08:48:43

First Dose M/F: 02/25/08 / 02/25/08

Lab: SRI

| B6C3F1 MICE FEMALE<br>30 MG/KG          | DAY ON TEST |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | females<br>(cont...) |      |   |   |   |
|---|-------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|----------------------|------|---|---|---|
|   | 0731        | 0731 | 0731 | 0731 | 0731 | 0731 | 0731 | 0731 | 0731 | 0731 | 0731 | 0731 | 0731 | 0731 | 0731 | 0731 | 0731 | 0731 | 0731 | 0731 |                      | 0731 |   |   |   |
|   | 0030        | 0030 | 0030 | 0030 | 0030 | 0030 | 0030 | 0030 | 0030 | 0030 | 0030 | 0030 | 0030 | 0030 | 0030 | 0030 | 0030 | 0030 | 0030 | 0030 |                      | 0030 |   |   |   |
| Inflammation, Chronic Necrosis, Focal   | 1           | 1    | 1    |      |      |      | 1    |      |      | 1    | 2    | 2    | 1    |      | 1    | 1    | 1    | 2    | 1    | 1    | 1                    | 1    | 1 |   |   |
| Tension Lipidosis                       |             |      |      | 1    |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |                      |      |   |   |   |
| Centrilobular, Mineralization           |             |      |      |      |      |      |      |      |      |      |      |      |      | 2    |      |      |      |      |      |      |                      |      |   |   |   |
| Centrilobular, Necrosis                 |             |      |      |      |      |      |      |      |      |      |      |      |      | 3    |      |      |      |      |      |      |                      |      |   |   |   |
| Centrilobular, Hepatocyte, Hypertrophy  | 2           | 2    | 2    | 2    | 1    | 2    | 2    |      | 3    | 3    | 3    | 1    | 3    |      | 2    | 2    | 3    | 3    | 2    | 1    | 2                    | 1    | 2 | 2 |   |
| Hepatocyte, Cytoplasmic Alteration      |             |      |      |      |      |      |      |      |      |      |      |      |      | 3    |      |      |      |      |      |      |                      |      |   |   |   |
| Kupffer Cell, Pigmentation              | 1           |      |      | 2    |      |      | 1    |      | 1    |      | 2    |      | 1    |      | 1    |      | 1    | 1    | 2    |      | 1                    |      |   | 1 |   |
| Midzonal, Necrosis                      |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |                      |      |   |   |   |
| Mesentery                               | +           |      | +    | +    | +    |      |      |      |      |      |      |      | +    |      |      |      |      |      |      |      |                      |      |   | + |   |
| Fat, Necrosis                           | 2           |      | 1    | 2    | 3    |      |      |      |      |      |      |      | 2    |      |      |      |      |      |      |      |                      |      |   | 1 |   |
| Pancreas                                | +           | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +                    | +    | + | + |   |
| Atrophy                                 |             |      |      |      | 2    |      | 2    |      |      |      |      |      |      |      |      |      |      |      |      | 1    |                      |      |   |   |   |
| Cyst                                    |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | 2    |      |      |                      |      |   |   |   |
| Fibrosis                                |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |                      |      |   |   |   |
| Inflammation, Chronic                   |             | 1    | 1    | 1    |      | 1    | 1    |      | 1    |      |      | 2    | 1    |      |      | 1    | 1    |      | 1    | 2    | 1                    |      |   | 2 |   |
| Mineralization, Chronic                 |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |                      |      |   |   |   |
| Salivary Glands                         | +           | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +                    | +    | + | + |   |
| Atrophy                                 |             |      |      |      |      |      |      |      |      |      |      |      |      | 3    |      |      |      |      |      |      |                      |      |   |   |   |
| Infiltration Cellular, Mononuclear Cell |             |      |      | 1    |      |      | 1    |      |      |      |      | 1    | 1    | 1    |      |      |      | 1    | 1    | 1    |                      |      |   | 1 | 1 |
| Mineralization                          |             |      |      |      |      |      |      |      |      |      |      |      |      | 3    |      | 1    |      |      |      | 1    |                      |      |   |   |   |
| Stomach, Forestomach                    | +           | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +                    | +    | + | + |   |
| Cyst                                    |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |                      |      |   | X |   |
| Erosion                                 |             |      |      | 1    |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |                      |      |   |   |   |
| Infiltration Cellular, Mast Cell        |             |      |      |      |      |      |      |      |      |      |      |      | 1    |      |      |      |      |      |      |      |                      |      |   |   |   |
| Inflammation                            |             |      |      | 1    |      |      |      |      | 1    |      |      |      |      |      |      |      |      |      |      |      | 1                    |      |   |   |   |

\* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

X .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

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1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

Experiment Number: 20209 - 04

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Pentabromodiphenyl oxide (technical) (DE 71)

CAS Number: 32534-81-9

Date Report Requested: 09/10/2014

Time Report Requested: 08:48:43

First Dose M/F: 02/25/08 / 02/25/08

Lab: SRI

| B6C3F1 MICE FEMALE<br>30 MG/KG                        | DAY ON TEST |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | females<br>(cont...) |   |   |   |   |  |  |  |  |
|---|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----------------------|---|---|---|---|--|--|--|--|
|   | 0           | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |                      | 0 |   |   |   |  |  |  |  |
|   | 7           | 7 | 7 | 7 | 5 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 6 | 7 | 6 | 7 | 5 | 7 | 7 | 7 | 6 | 7 | 7                    |   |   |   |   |  |  |  |  |
|   | 3           | 3 | 3 | 3 | 7 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 7 | 3 | 5 | 2 | 6 | 2 | 2 | 3 | 6 | 8 | 3                    |   |   |   |   |  |  |  |  |
|   | 1           | 1 | 1 | 1 | 5 | 3 | 3 | 3 | 3 | 3 | 2 | 2 | 7 | 2 | 6 | 9 | 3 | 9 | 9 | 3 | 6 | 9 | 3                    |   |   |   |   |  |  |  |  |
|   | 0           | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0                    |   |   |   |   |  |  |  |  |
|   | 0           | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0                    |   |   |   |   |  |  |  |  |
|   | 3           | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3                    |   |   |   |   |  |  |  |  |
|   | 0           | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2                    |   |   |   |   |  |  |  |  |
|   | 1           | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3                    |   |   |   |   |  |  |  |  |
| Ulcer Epithelium, Hyperplasia                         |             |   |   | 2 | 4 |   |   |   | 3 |   |   |   |   |   |   |   |   |   |   |   |   | 2 |                      |   |   |   |   |  |  |  |  |
| Stomach, Glandular Inflammation, Acute Mineralization | +           |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | A | A | +                    | + |   |   |   |  |  |  |  |
| Ulcer Glands, Ectasia, Focal                          |             |   |   |   |   |   |   |   |   |   |   |   | 3 | 4 |   |   |   |   |   |   |   |   |                      |   |   |   | 2 |  |  |  |  |
| <b>CARDIOVASCULAR SYSTEM</b>                          |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |                      |   |   |   |   |  |  |  |  |
| Blood Vessel Mineralization                           | +           |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |                      |   | 1 |   |   |  |  |  |  |
| Heart Cardiomyopathy                                  |             |   | 1 |   |   |   |   |   |   | 2 |   |   |   |   |   |   |   |   |   |   |   |   | 1                    |   |   |   |   |  |  |  |  |
| Heart Hemorrhage                                      |             |   |   |   |   |   |   |   |   |   |   |   | 2 |   |   |   |   |   |   |   |   |   |                      |   |   |   |   |  |  |  |  |
| Heart Mineralization                                  |             |   |   |   |   |   |   |   |   |   |   |   | 3 |   |   |   |   |   |   |   |   |   |                      |   |   | 1 |   |  |  |  |  |
| Heart Necrosis, Multifocal                            |             |   |   |   |   |   |   |   |   |   |   |   | 1 |   |   |   |   |   |   |   |   |   |                      |   |   | 2 |   |  |  |  |  |
| Heart Thrombosis                                      |             |   |   |   |   |   |   |   |   |   |   |   | 2 |   |   |   |   |   |   |   |   |   |                      |   |   | 2 |   |  |  |  |  |
| <b>ENDOCRINE SYSTEM</b>                               |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |                      |   |   |   |   |  |  |  |  |
| Adrenal Cortex  | +           |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |                      |   |   |   |   |  |  |  |  |
| Accessory Adrenal Cortical Nodule Degeneration, Fatty |             |   |   |   |   |   |   |   |   |   |   |   | 2 |   |   |   |   |   |   |   |   |   |                      |   |   |   |   |  |  |  |  |
| Hematopoietic Cell Proliferation                      |             |   |   |   |   |   | 3 |   |   |   |   |   |   |   |   |   |   |   |   | 2 |   |   |                      |   |   |   |   |  |  |  |  |
| Hyperplasia   |             |   |   |   |   |   |   |   | 2 |   |   | 2 |   |   |   |   |   |   |   |   |   |   |                      |   |   |   |   |  |  |  |  |
| Hypertrophy, Focal                                    |             |   |   |   | 1 |   |   |   |   | 1 |   |   | 2 |   |   |   |   |   |   |   |   |   |                      |   |   | 2 |   |  |  |  |  |
| Hypertrophy, Diffuse                                  |             |   |   |   |   |   |   |   |   |   |   |   | 1 |   |   |   |   |   |   |   |   |   |                      |   |   | 2 |   |  |  |  |  |

\* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade  
+ .. Tissue examined microscopically  
X .. Lesion present  
I .. Insufficient tissue

M .. Missing tissue  
A .. Autolysis precludes evaluation  
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1-4 .. Lesion qualified as:  
1) Minimal 3) Moderate  
2) Mild 4) Marked

Experiment Number: 20209 - 04

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: MICE/B6C3F1

**P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL**

Pentabromodiphenyl oxide (technical) (DE 71)

CAS Number: 32534-81-9

Date Report Requested: 09/10/2014

Time Report Requested: 08:48:43

First Dose M/F: 02/25/08 / 02/25/08

Lab: SRI

| B6C3F1 MICE FEMALE<br>30 MG/KG   | DAY ON TEST |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | females<br>(cont...) |
|--|-------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|----------------------|
|  | 0731        | 0731 | 0731 | 0731 | 0731 | 0731 | 0731 | 0731 | 0731 | 0731 | 0731 | 0731 | 0731 | 0731 | 0731 | 0731 | 0731 | 0731 | 0731 | 0731 | 0731 | 0731 |                      |
| ANIMAL ID  | 0001        | 0002 | 0003 | 0004 | 0005 | 0006 | 0007 | 0008 | 0009 | 0010 | 0011 | 0012 | 0013 | 0014 | 0015 | 0016 | 0017 | 0018 | 0019 | 0020 | 0021 | 0022 |                      |
| Capsule, Hyperplasia   | 2           | 3    | 2    | 2    | 2    | 3    | 2    |      | 3    | 2    |      | 4    | 2    | 2    | 3    | 2    | 3    | 2    | 2    | 2    | 2    | 2    |                      |
| Adrenal Medulla<br>Hyperplasia   | +           | +    | +    | +    | +    | +    | +    | M    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    |                      |
| Islets, Pancreatic<br>Hyperplasia  | +           | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    |                      |
| Parathyroid Gland<br>Cyst<br>Hyperplasia   | +           | +    | +    | +    | M    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    |                      |
| Pituitary Gland<br>Pars Distalis, Angiectasis<br>Pars Distalis, Cyst<br>Pars Distalis, Hyperplasia | +           | +    | +    | +    | +    | +    | +    | +    | I    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    |                      |
| Thyroid Gland<br>Follicle, Degeneration<br>Follicle, Hypertrophy                                   | +           | +    | +    | +    | M    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    |                      |

**GENERAL BODY SYSTEM**

NONE

**GENITAL SYSTEM**

|  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Clitoral Gland<br>Inflammation, Chronic Active | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Ovary  | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |

\* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade  
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Experiment Number: 20209 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

**P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL**  
 Pentabromodiphenyl oxide (technical) (DE 71)  
 CAS Number: 32534-81-9

Date Report Requested: 09/10/2014  
 Time Report Requested: 08:48:43  
 First Dose M/F: 02/25/08 / 02/25/08  
 Lab: SRI

| B6C3F1 MICE FEMALE<br>30 MG/KG   |   | DAY ON TEST | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | females<br>(cont...) |  |
|----------------------------------|---|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----------------------|--|
|                                  |   | ANIMAL ID   | 7 | 7 | 7 | 7 | 5 | 7 | 7 | 7 | 7 | 7 | 7 | 6 | 7 | 6 | 7 | 5 | 7 | 7 | 7 | 6 | 7 | 7 |                      |  |
|                                  |   |             | 3 | 3 | 3 | 3 | 7 | 3 | 3 | 3 | 3 | 3 | 3 | 7 | 3 | 5 | 2 | 6 | 2 | 2 | 3 | 2 | 8 | 3 |                      |  |
| Lymph Node, Mesenteric Atrophy   |   |             | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | +                    |  |
| Ectasia                          | 2 |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |                      |  |
| Hyperplasia, Lymphoid            |   |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |                      |  |
| Spleen                           |   |             | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |                      |  |
| Hematopoietic Cell Proliferation |   |             |   | 1 |   |   | 4 |   |   |   |   |   |   | 2 |   | 1 | 2 |   | 4 |   |   |   |   |   |                      |  |
| Pigmentation                     | 2 |             |   |   | 2 | 4 |   |   | 2 |   | 2 |   |   | 1 | 2 | 3 | 2 | 2 | 1 |   | 2 | 2 | 2 |   | 1                    |  |
| Lymphoid Follicle, Atrophy       |   |             |   |   |   |   |   |   |   |   |   |   |   | 2 |   | 2 |   |   |   |   |   |   |   |   | 3                    |  |
| Lymphoid Follicle, Hyperplasia   | 1 |             |   |   |   |   |   |   |   |   |   | 2 |   |   |   |   |   |   |   |   |   |   |   |   |                      |  |
| Thymus                           |   |             | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | I | + | + | I                    |  |
| Atrophy                          |   |             |   | 1 | 1 |   | 4 | 1 |   |   | 1 |   | 1 |   |   | 4 |   |   | 4 |   | 2 | 1 |   |   |                      |  |
| Cyst                             |   |             |   |   |   |   | 2 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |                      |  |
| Hyperplasia, Lymphoid            | 1 |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1 | 1 |                      |  |
| Necrosis, Lymphoid               |   |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |                      |  |

**INTEGUMENTARY SYSTEM**

|                              |  |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |
|------------------------------|--|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|
| Mammary Gland                |  |  | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |   |  |
| Galactocele                  |  |  |   | 1 |   |   | 2 |   | 2 | 1 |   |   |   | 2 | 2 | 2 |   | 1 | 1 | 1 | 1 |   | 2 | 1 | 1 |  |
| Hyperplasia                  |  |  |   |   |   |   | 1 | 2 |   |   |   |   |   | 1 |   |   |   |   |   |   |   |   |   |   |   |  |
| Inflammation, Chronic        |  |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1 |  |
| Inflammation, Chronic Active |  |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |
| Skin                         |  |  | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |   |  |
| Edema                        |  |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |
| Fibrosis                     |  |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |
| Foreign Body                 |  |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |
| Inflammation, Acute          |  |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |

\* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade  
 + .. Tissue examined microscopically      M .. Missing tissue  
 X .. Lesion present      A .. Autolysis precludes evaluation  
 I .. Insufficient tissue      BLANK .. Not examined microscopically  
 1-4 .. Lesion qualified as:  
 1) Minimal 3) Moderate  
 2) Mild 4) Marked

Experiment Number: 20209 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

**P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL**  
 Pentabromodiphenyl oxide (technical) (DE 71)  
 CAS Number: 32534-81-9

Date Report Requested: 09/10/2014  
 Time Report Requested: 08:48:43  
 First Dose M/F: 02/25/08 / 02/25/08  
 Lab: SRI

| B6C3F1 MICE FEMALE<br>30 MG/KG  | DAY ON TEST | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | ANIMAL ID | females<br>(cont...) |   |  |
|---------------------------------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------|----------------------|---|--|
|                                 | 7           | 7 | 7 | 7 | 5 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 6 | 7 | 6 | 7 | 5 | 7 | 7 | 7 | 7 | 6 | 7 | 7 |           |                      |   |  |
|                                 | 3           | 3 | 3 | 3 | 7 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 7 | 3 | 5 | 2 | 6 | 2 | 2 | 3 | 2 | 8 | 3         | 3                    |   |  |
|                                 | 1           | 1 | 1 | 1 | 5 | 3 | 3 | 3 | 3 | 3 | 3 | 2 | 2 | 2 | 7 | 2 | 6 | 9 | 3 | 9 | 3 | 6 | 9 | 3 | 3         | 3                    |   |  |
|                                 | 0           | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0         | 0                    | 0 |  |
|                                 | 0           | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0         | 0                    | 0 |  |
|                                 | 3           | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3         | 3                    | 3 |  |
|                                 | 0           | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2         | 2                    | 2 |  |
|                                 | 1           | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5         | 5                    |   |  |
| Inflammation, Chronic           | 1           |   |   |   |   |   |   |   |   | 1 |   |   |   |   |   | 1 |   |   | 2 |   |   |   |   |   |           |                      |   |  |
| Inflammation, Chronic Active    |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |           |                      |   |  |
| Mineralization                  |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1 |   |           |                      |   |  |
| Ulcer                           |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |           |                      |   |  |
| Epidermis, Hyperplasia          |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |           |                      |   |  |
| Epidermis, Tail, Hyperkeratosis |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |           |                      |   |  |
| Epidermis, Tail, Hyperplasia    |             |   |   |   |   |   |   |   |   |   |   |   |   |   | 2 |   |   |   |   |   |   |   |   |   |           |                      |   |  |

**MUSCULOSKELETAL SYSTEM**

|                                  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |
|----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|
| Bone                             | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |  |
| Fibro-Osseous Lesion             | 1 | 2 | 2 | 1 |   | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 1 | 2 | 1 | 1 | 2 | 1 | 2 | 3 | 1 | 1 | 1 | 1 | 1 |  |
| Tail, Callus                     |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |
| Tail, Developmental Malformation |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |
| Vertebra, Callus                 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |
| Skeletal Muscle                  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |
| Fibrosis                         |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |
| Hemorrhage                       |   |   |   |   |   |   |   |   |   |   |   |   |   | 4 |   |   |   |   |   |   |   |   |   |   |   |  |
| Inflammation, Chronic            |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |
| Mineralization                   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 2 |   |   |   |   |   |   |   |   |   |   |  |
| Necrosis                         |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 4 |   |   |   |   |   |   |   |   |   |   |  |
| Regeneration                     |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |

**NERVOUS SYSTEM**

|   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|
| Brain                                   | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |  |
| Compression                             |   |   |   | 4 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |
| Hemorrhage                              |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |
| Infiltration Cellular, Mononuclear Cell |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1 |   |  |
| Necrosis                                |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 3 |   |   |   |   |   |   |   |   |   |   |  |

\* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade  
 + .. Tissue examined microscopically  
 X .. Lesion present  
 I .. Insufficient tissue  
 M .. Missing tissue  
 A .. Autolysis precludes evaluation  
 BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:  
 1) Minimal 3) Moderate  
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Experiment Number: 20209 - 04

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Pentabromodiphenyl oxide (technical) (DE 71)

CAS Number: 32534-81-9

Date Report Requested: 09/10/2014

Time Report Requested: 08:48:43

First Dose M/F: 02/25/08 / 02/25/08

Lab: SRI

|                           |                 |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                              |
|---------------------------|-----------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|------------------------------|
| <b>B6C3F1 MICE FEMALE</b> | DAY ON TEST     | 0<br>7                | 0<br>7                | 0<br>7                | 0<br>7                | 0<br>5                | 0<br>7                | 0<br>7                | 0<br>7                | 0<br>7                | 0<br>7                | 0<br>7                | 0<br>7                | 0<br>6                | 0<br>7                | 0<br>6                | 0<br>7                | 0<br>5                | 0<br>7                | 0<br>7                | 0<br>7                | 0<br>6                | 0<br>7                | 0<br>7                | 0<br>7                |                       |                              |
|                           | <b>30 MG/KG</b> | 3<br>1                | 3<br>1                | 3<br>1                | 3<br>1                | 7<br>5                | 3<br>3                | 3<br>3                | 3<br>3                | 3<br>3                | 3<br>3                | 3<br>3                | 3<br>3                | 3<br>2                | 7<br>2                | 3<br>2                | 5<br>6                | 2<br>3                | 6<br>9                | 2<br>9                | 2<br>3                | 2<br>3                | 6<br>6                | 8<br>3                | 3<br>3                |                       |                              |
|                           | ANIMAL ID       | 0<br>0<br>3<br>0<br>1 | 0<br>0<br>3<br>0<br>2 | 0<br>0<br>3<br>0<br>3 | 0<br>0<br>3<br>0<br>4 | 0<br>0<br>3<br>0<br>5 | 0<br>0<br>3<br>0<br>6 | 0<br>0<br>3<br>0<br>7 | 0<br>0<br>3<br>0<br>8 | 0<br>0<br>3<br>0<br>9 | 0<br>0<br>3<br>0<br>0 | 0<br>0<br>3<br>0<br>1 | 0<br>0<br>3<br>0<br>2 | 0<br>0<br>3<br>0<br>3 | 0<br>0<br>3<br>0<br>4 | 0<br>0<br>3<br>0<br>5 | 0<br>0<br>3<br>0<br>6 | 0<br>0<br>3<br>0<br>7 | 0<br>0<br>3<br>0<br>8 | 0<br>0<br>3<br>0<br>9 | 0<br>0<br>3<br>0<br>0 | 0<br>0<br>3<br>0<br>1 | 0<br>0<br>3<br>0<br>2 | 0<br>0<br>3<br>0<br>3 | 0<br>0<br>3<br>0<br>4 | 0<br>0<br>3<br>0<br>5 | <b>females<br/>(cont...)</b> |
|                           |                 |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                              |

Pigmentation

Peripheral Nerve  
Degeneration

Spinal Cord  
Degeneration

+  
3

+  
2

**RESPIRATORY SYSTEM**

|                                   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|-----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Lung                              | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Congestion                        |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 4 |   |   |
| Cyst                              |   |   |   |   |   |   |   |   |   |   | 2 |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Foreign Body                      |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Hemorrhage                        |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Infiltration Cellular, Histiocyte |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 2 |   |   |   |   |   |   |   |
| Inflammation, Acute               |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Mineralization                    |   |   |   |   |   |   |   |   |   | 1 |   |   |   |   | 1 |   |   |   |   |   |   |   |   |   |
| Thrombosis                        |   |   |   |   |   |   |   |   | 1 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Alveolar Epithelium, Hyperplasia  |   |   |   |   |   |   |   |   | 3 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |

|                     |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|---------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Nose                | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Foreign Body        |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1 |   |
| Inflammation, Acute |   |   |   | 3 |   |   | 1 |   | 1 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |

Pleura  
Inflammation, Suppurative

|         |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|---------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Trachea | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
|---------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|

**SPECIAL SENSES SYSTEM**

\* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade  
+ .. Tissue examined microscopically  
X .. Lesion present  
I .. Insufficient tissue

M .. Missing tissue  
A .. Autolysis precludes evaluation  
BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:  
1) Minimal 3) Moderate  
2) Mild 4) Marked

Experiment Number: 20209 - 04  
Test Type: CHRONIC  
Route: GAVAGE  
Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL  
Pentabromodiphenyl oxide (technical) (DE 71)  
CAS Number: 32534-81-9

Date Report Requested: 09/10/2014  
Time Report Requested: 08:48:43  
First Dose M/F: 02/25/08 / 02/25/08  
Lab: SRI

| B6C3F1 MICE FEMALE<br>30 MG/KG          | DAY ON TEST |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | ANIMAL ID | females<br>(cont...) |   |   |   |   |  |
|---|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------|----------------------|---|---|---|---|--|
|   | 0           | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |           |                      | 0 | 0 | 0 |   |  |
|   | 7           | 7 | 7 | 7 | 5 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 6 | 7 | 6 | 7 | 5 | 7 | 7 | 7 |           |                      | 7 | 6 | 7 | 7 |  |
|   | 3           | 3 | 3 | 3 | 7 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 7 | 3 | 5 | 2 | 6 | 2 | 2 | 3 | 2         | 8                    | 3 | 3 |   |   |  |
|   | 1           | 1 | 1 | 1 | 5 | 3 | 3 | 3 | 3 | 3 | 3 | 2 | 2 | 2 | 7 | 2 | 6 | 9 | 3 | 9 | 9         | 3                    | 6 | 9 | 3 | 3 |  |
|   | 0           | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0         | 0                    | 0 | 0 | 0 | 0 |  |
|   | 0           | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0         | 0                    | 0 | 0 | 0 | 0 |  |
|   | 3           | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3         | 3                    | 3 | 3 | 3 | 3 |  |
|   | 0           | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2         | 2                    | 2 | 2 | 2 | 2 |  |
|   | 1           | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1         | 2                    | 3 | 4 | 5 |   |  |
| Eye                                     | +           | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | +         | A                    | A | + | + |   |  |
| Cornea, Inflammation, Acute             |             |   |   |   | 1 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |           |                      |   |   |   |   |  |
| Harderian Gland                         | +           | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | +         | +                    | + | + | + |   |  |
| Hyperplasia                             |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |           |                      |   |   |   |   |  |
| <b>URINARY SYSTEM</b>                   |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |           |                      |   |   |   |   |  |
| Kidney                                  | +           | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | +         | +                    | + | + | + | + |  |
| Infarct                                 |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |           |                      |   |   |   |   |  |
| Infiltration Cellular, Mononuclear Cell | 1           | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1         | 1                    | 1 | 1 | 1 |   |  |
| Metaplasia, Osseous                     |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |           |                      |   |   | 1 |   |  |
| Mineralization                          |             |   |   |   |   |   |   |   | 1 |   |   |   |   |   |   |   | 1 |   |   |   |           |                      |   |   |   |   |  |
| Nephropathy                             |             |   |   | 1 |   |   |   |   |   |   |   | 1 | 1 |   |   |   |   |   |   |   |           |                      |   |   |   |   |  |
| Renal Tubule, Atrophy                   |             |   |   |   |   |   |   |   |   |   |   |   | 2 |   |   |   |   |   |   |   |           |                      |   |   |   |   |  |
| Renal Tubule, Degeneration              |             |   |   |   | 3 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |           |                      |   |   |   |   |  |
| Renal Tubule, Dilatation                | 1           | 1 | 1 | 1 | 1 |   | 1 |   | 1 |   |   |   |   | 1 |   | 1 |   | 1 | 1 | 1 |           | 1                    | 1 | 1 | 1 |   |  |
| Renal Tubule, Necrosis                  |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |           |                      |   |   |   |   |  |
| Renal Tubule, Regeneration              |             |   |   |   |   |   |   |   |   |   |   |   |   | 3 |   |   |   |   |   |   |           |                      |   |   |   |   |  |
| Renal Tubule, Vacuolization Cytoplasmic |             |   |   |   |   |   |   |   |   |   |   |   |   | 2 |   |   |   |   |   |   |           |                      |   |   |   |   |  |
| Urinary Bladder                         | +           | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | +         | +                    | + | + | + | + |  |

\* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade  
+ .. Tissue examined microscopically  
X .. Lesion present  
I .. Insufficient tissue  
M .. Missing tissue  
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Experiment Number: 20209 - 04

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**P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL**

Pentabromodiphenyl oxide (technical) (DE 71)

CAS Number: 32534-81-9

Date Report Requested: 09/10/2014

Time Report Requested: 08:48:43

First Dose M/F: 02/25/08 / 02/25/08

Lab: SRI

| B6C3F1 MICE FEMALE<br>30 MG/KG | DAY ON TEST | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | * TOTALS |   |  |
|--------------------------------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----------|---|--|
|                                | ANIMAL ID   | 7 | 7 | 0 | 7 | 7 | 5 | 7 | 7 | 7 | 6 | 6 | 7 | 7 | 7 | 6 | 7 | 7 | 7 | 6 | 7 | 7 | 5 | 7 |          | 7 |  |
|                                |             | 3 | 3 | 0 | 3 | 3 | 3 | 2 | 2 | 2 | 9 | 8 | 3 | 3 | 3 | 9 | 3 | 3 | 3 | 3 | 8 | 2 | 2 | 9 | 2        | 2 |  |
|                                |             | 2 | 2 | 3 | 2 | 2 | 5 | 9 | 9 | 5 | 8 | 3 | 3 | 3 | 5 | 3 | 3 | 3 | 3 | 8 | 9 | 9 | 8 | 9 | 2        | 9 |  |
|                                |             | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0        | 0 |  |
|                                |             | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3        | 3 |  |
|                                |             | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4        | 5 |  |
|                                |             | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9        | 0 |  |

**ALIMENTARY SYSTEM**

|  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |           |              |               |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------|--------------|---------------|
| Esophagus                                    | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | <b>50</b> |              |               |
| Foreign Body                                 |   |   |   | 4 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |           |              | <b>1 4.0</b>  |
| Inflammation, Acute Muscularis, Degeneration |   |   |   | 2 |   |   |   |   |   |   |   |   |   |   |   | 2 |   |   |   | 1 |   |   |   |   |   |           |              | <b>1 2.0</b>  |
|  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |           |              | <b>2 1.5</b>  |
| Gallbladder                                  | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | <b>47</b> |              |               |
| Intestine Large, Cecum                       | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | <b>47</b> |              |               |
| Intestine Large, Colon                       | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | <b>47</b> |              |               |
| Intestine Large, Rectum Diverticulum         | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | <b>47</b> | <b>1 4.0</b> |               |
| Intestine Small, Duodenum                    | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | <b>47</b> |              |               |
| Intestine Small, Ileum                       | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | <b>47</b> |              |               |
| Intestine Small, Jejunum Inflammation, Acute | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | <b>47</b> | <b>1 2.0</b> |               |
| Liver  | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | <b>50</b> |              |               |
| Basophilic Focus                             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | X |   |   |           | <b>1</b>     |               |
| Clear Cell Focus                             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |           | <b>2</b>     |               |
| Eosinophilic Focus                           | X |   |   | X |   |   |   | X | X |   |   |   | X |   |   |   |   |   |   |   |   |   | X | X |   |           | <b>15</b>    |               |
| Eosinophilic Focus, Multiple                 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |           | <b>1</b>     |               |
| Fatty Change                                 |   |   | 2 |   | 1 | 1 | 1 | 1 | 2 |   | 2 | 2 | 1 | 2 | 2 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 1 | 2 | 2         |              | <b>39 1.6</b> |
| Hematopoietic Cell Proliferation             |   |   | 1 |   |   | 1 |   |   |   |   |   |   |   |   |   | 1 |   |   |   |   |   | 1 |   |   |   |           | <b>8 1.1</b> |               |
| Hemorrhage                                   |   |   |   |   |   |   |   | 1 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |           | <b>4 1.3</b> |               |

\* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade  
 + .. Tissue examined microscopically  
 X .. Lesion present  
 I .. Insufficient tissue  
 M .. Missing tissue  
 A .. Autolysis precludes evaluation  
 BLANK .. Not examined microscopically  
 1-4 .. Lesion qualified as:  
 1) Minimal 3) Moderate  
 2) Mild 4) Marked

Experiment Number: 20209 - 04

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: MICE/B6C3F1

**P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL**

Pentabromodiphenyl oxide (technical) (DE 71)

CAS Number: 32534-81-9

Date Report Requested: 09/10/2014

Time Report Requested: 08:48:43

First Dose M/F: 02/25/08 / 02/25/08

Lab: SRI

| B6C3F1 MICE FEMALE<br>30 MG/KG          | DAY ON TEST |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | * TOTALS |      |   |   |    |     |     |
|---|-------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|----------|------|---|---|----|-----|-----|
|   | 0732        | 0732 | 0732 | 0732 | 0732 | 0732 | 0732 | 0732 | 0732 | 0732 | 0732 | 0732 | 0732 | 0732 | 0732 | 0732 | 0732 | 0732 | 0732 | 0732 |          | 0732 |   |   |    |     |     |
| ANIMAL ID                               | 0026        | 0027 | 0028 | 0029 | 0030 | 0031 | 0032 | 0033 | 0034 | 0035 | 0036 | 0037 | 0038 | 0039 | 0040 | 0041 | 0042 | 0043 | 0044 | 0045 | 0046     |      |   |   |    |     |     |
| Inflammation, Chronic                   |             |      |      | 1    |      |      | 2    |      |      |      |      | 1    | 1    | 2    | 1    | 2    | 1    | 1    | 1    | 1    | 2        | 1    | 1 | 2 | 1  | 34  | 1.2 |
| Necrosis, Focal                         |             |      |      | 2    |      |      |      |      |      |      |      |      |      |      |      | 2    | 1    |      |      |      |          |      |   |   |    | 4   | 1.8 |
| Tension Lipidosis                       |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | 2    |      |          |      |   |   |    | 2   | 1.5 |
| Centrilobular, Mineralization           |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |          |      |   |   |    | 1   | 2.0 |
| Centrilobular, Necrosis                 |             |      |      |      |      |      |      |      |      |      | 2    |      |      |      |      |      |      |      |      |      |          |      |   |   |    | 2   | 2.5 |
| Centrilobular, Hepatocyte, Hypertrophy  | 1           | 2    |      | 1    | 3    |      | 2    | 3    |      | 3    | 2    | 3    | 2    | 3    | 3    | 2    | 2    | 2    | 2    | 2    | 3        | 3    | 2 | 3 | 2  | 45  | 2.2 |
| Hepatocyte, Cytoplasmic Alteration      |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |          |      |   |   |    | 1   | 3.0 |
| Kupffer Cell, Pigmentation              |             |      |      | 1    |      |      | 1    | 1    |      | 1    |      |      | 2    | 1    |      | 1    | 1    |      | 1    |      | 2        | 1    |   | 1 |    | 24  | 1.2 |
| Midzonal, Necrosis                      |             |      |      |      |      | 4    |      |      |      |      |      |      |      |      |      |      |      |      |      |      |          |      |   |   |    | 1   | 4.0 |
| Mesentery                               |             |      |      | +    |      | +    | +    |      |      |      |      |      |      | +    |      |      |      |      |      | +    |          |      | + |   |    | 12  |     |
| Fat, Necrosis                           |             |      |      | 2    |      | 2    | 2    |      |      |      |      |      |      | 2    |      |      |      |      |      |      | 3        |      |   | 2 |    | 12  | 2.0 |
| Pancreas                                | +           | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +        | +    | + | + | +  | 50  |     |
| Atrophy                                 |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |          |      |   |   |    | 5   | 2.2 |
| Cyst                                    |             |      |      |      |      |      |      |      |      |      |      |      |      |      | 2    |      |      |      |      |      |          |      |   |   | 3  | 2.7 |     |
| Fibrosis                                |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |          |      |   |   | 1  | 3.0 |     |
| Inflammation, Chronic                   |             |      | 1    |      | 2    |      |      | 2    | 1    | 1    | 1    | 1    | 2    | 1    |      | 1    | 1    | 2    | 1    | 1    | 2        |      | 1 | 1 | 31 | 1.3 |     |
| Mineralization, Chronic                 |             |      |      |      |      |      |      |      |      |      |      |      |      |      | 1    |      |      |      |      |      |          |      |   |   | 1  | 1   | 1.0 |
| Salivary Glands                         | +           | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +        | +    | + | + | 50 |     |     |
| Atrophy                                 |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |          |      |   |   |    | 1   | 3.0 |
| Infiltration Cellular, Mononuclear Cell | 1           | 1    |      | 1    |      |      | 1    | 1    | 1    | 1    |      | 1    | 1    | 1    | 1    | 1    | 1    | 1    | 1    | 1    | 1        |      | 1 | 1 | 30 | 1.0 |     |
| Mineralization                          |             |      |      |      |      |      |      | 1    |      |      |      |      |      |      |      |      |      |      |      |      |          |      | 1 |   | 5  | 1.4 |     |
| Stomach, Forestomach                    | +           | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +        | +    | + | + | 50 |     |     |
| Cyst                                    |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |          |      |   |   |    | 1   |     |
| Erosion                                 |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |          |      |   |   |    | 2   | 1.0 |
| Infiltration Cellular, Mast Cell        |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |          |      |   |   |    | 1   | 1.0 |
| Inflammation                            |             |      |      | 2    |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |          |      |   |   |    | 5   | 1.2 |

\* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

X .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

Experiment Number: 20209 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

**P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL**  
 Pentabromodiphenyl oxide (technical) (DE 71)  
 CAS Number: 32534-81-9

Date Report Requested: 09/10/2014  
 Time Report Requested: 08:48:43  
 First Dose M/F: 02/25/08 / 02/25/08  
 Lab: SRI

| B6C3F1 MICE FEMALE<br>30 MG/KG                        | DAY ON TEST |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | * TOTALS |      |      |            |                      |
|---|-------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|----------|------|------|------------|----------------------|
|   | 0732        | 0732 | 0732 | 0732 | 0732 | 0732 | 0732 | 0732 | 0732 | 0732 | 0732 | 0732 | 0732 | 0732 | 0732 | 0732 | 0732 | 0732 | 0732 | 0732 | 0732 | 0732 |          | 0732 | 0732 |            |                      |
| ANIMAL ID   | 0032        | 0032 | 0032 | 0032 | 0032 | 0032 | 0032 | 0032 | 0032 | 0032 | 0032 | 0032 | 0032 | 0032 | 0032 | 0032 | 0032 | 0032 | 0032 | 0032 | 0032 | 0032 | 0032     | 0032 | 0032 |            |                      |
| Ulcer Epithelium, Hyperplasia                         |             |      |      | 2    |      |      |      |      |      |      |      |      |      |      | 1    |      |      |      |      |      |      |      |          |      |      | 4          | 1 2.0<br>6 2.7       |
| Stomach, Glandular Inflammation, Acute Mineralization | +           | +    | +    | +    | +    | A    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +        | +    | +    | +          | 47<br>1 3.0<br>6 1.5 |
| Ulcer Glands, Ectasia, Focal                          |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |          |      |      | 2<br>4 2.3 |                      |
| <b>CARDIOVASCULAR SYSTEM</b>                          |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |          |      |      |            |                      |
| Blood Vessel Mineralization                           | +           | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +        | +    | +    | +          | 50<br>1 1.0          |
| Heart   | +           | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +        | +    | +    | +          | 50                   |
| Cardiomyopathy  |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |          |      |      |            | 1<br>5 1.0           |
| Hemorrhage  |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |          |      |      |            | 1<br>1 2.0           |
| Mineralization  |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |          |      |      |            | 2<br>2 2.0           |
| Necrosis, Multifocal                                  |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |          |      |      |            | 2<br>1 2.0           |
| Thrombosis  |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |          |      |      |            | 3<br>1 3.0           |
| <b>ENDOCRINE SYSTEM</b>                               |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |          |      |      |            |                      |
| Adrenal Cortex  | +           | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +        | +    | +    | +          | 49                   |
| Accessory Adrenal Cortical Nodule                     |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |          |      |      |            | 2<br>1 2.0           |
| Degeneration, Fatty                                   |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |          |      |      |            | 1<br>3 1.7           |
| Hematopoietic Cell Proliferation                      |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |          |      |      |            | 2<br>2 2.5           |
| Hyperplasia   |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |          |      |      |            | 2<br>4 2.0           |
| Hypertrophy, Focal                                    |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |          |      |      |            | 1<br>9 1.4           |
| Hypertrophy, Diffuse                                  |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |          |      |      |            | 1<br>4 1.0           |

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 2) Mild 4) Marked

Experiment Number: 20209 - 04

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Pentabromodiphenyl oxide (technical) (DE 71)

CAS Number: 32534-81-9

Date Report Requested: 09/10/2014

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First Dose M/F: 02/25/08 / 02/25/08

Lab: SRI

| B6C3F1 MICE FEMALE<br>30 MG/KG   | DAY ON TEST |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | * TOTALS |      |      |      |      |           |   |
|--|-------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|----------|------|------|------|------|-----------|---|
|  | 0732        | 0732 | 0732 | 0732 | 0732 | 0732 | 0732 | 0732 | 0732 | 0732 | 0732 | 0732 | 0732 | 0732 | 0732 | 0732 | 0732 | 0732 | 0732 | 0732 |          |      | 0732 |      |      |           |   |
| ANIMAL ID  | 0026        | 0027 | 0028 | 0029 | 0030 | 0031 | 0032 | 0033 | 0034 | 0035 | 0036 | 0037 | 0038 | 0039 | 0040 | 0041 | 0042 | 0043 | 0044 | 0045 | 0046     | 0047 | 0048 | 0049 | 0050 |           |   |
| Capsule, Hyperplasia   | 3           | 2    |      | 2    | 3    | 2    | 2    | 3    | 2    | 2    | 2    | 3    | 4    | 3    | 3    | 2    | 2    | 3    | 2    | 3    | 2        | 3    | 2    | 3    | 2    | <b>47</b> | <b>2.4</b>                                    |
| Adrenal Medulla<br>Hyperplasia   | +           | +    | I    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +        | +    | +    | +    | +    | <b>48</b> | <b>1 1.0</b>                                  |
| Islets, Pancreatic<br>Hyperplasia  | +           | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +        | +    | +    | +    | +    | <b>50</b> | <b>2 1.0</b>                                  |
| Parathyroid Gland<br>Cyst<br>Hyperplasia   | +           | +    | +    | +    | +    | +    | +    | M    | M    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +        | +    | +    | +    | +    | <b>47</b> | <b>1 2.0</b><br><b>1 1.0</b>                  |
| Pituitary Gland<br>Pars Distalis, Angiectasis<br>Pars Distalis, Cyst<br>Pars Distalis, Hyperplasia | +           | +    | +    | +    | +    | M    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +        | +    | I    | +    | +    | <b>46</b> | <b>1 2.0</b><br><b>1 2.0</b><br><b>13 1.8</b> |
| Thyroid Gland<br>Follicle, Degeneration<br>Follicle, Hypertrophy                                   | +           | +    | +    | +    | +    | +    | +    | +    | I    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +        | +    | +    | +    | +    | <b>48</b> | <b>26 1.5</b><br><b>37 1.5</b>                |

GENERAL BODY SYSTEM

NONE

GENITAL SYSTEM

|  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |           |              |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------|--------------|
| Clitoral Gland<br>Inflammation, Chronic Active | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | <b>50</b> | <b>8 1.1</b> |
| Ovary  | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | <b>50</b> |              |

\* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

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Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Pentabromodiphenyl oxide (technical) (DE 71)

CAS Number: 32534-81-9

Date Report Requested: 09/10/2014

Time Report Requested: 08:48:43

First Dose M/F: 02/25/08 / 02/25/08

Lab: SRI

| B6C3F1 MICE FEMALE<br>30 MG/KG   | DAY ON TEST |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | * TOTALS |       |   |   |   |        |        |       |
|----------------------------------|-------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|----------|-------|---|---|---|--------|--------|-------|
|                                  | 0732        | 0732 | 0732 | 0732 | 0732 | 0732 | 0732 | 0732 | 0732 | 0732 | 0732 | 0732 | 0732 | 0732 | 0732 | 0732 | 0732 | 0732 | 0732 | 0732 |          | 0732  |   |   |   |        |        |       |
| ANIMAL ID                        | 0032        | 0032 | 0032 | 0032 | 0032 | 0032 | 0032 | 0032 | 0032 | 0032 | 0032 | 0032 | 0032 | 0032 | 0032 | 0032 | 0032 | 0032 | 0032 | 0032 | 0032     |       |   |   |   |        |        |       |
| Angiectasis                      |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |          | 1 4.0 |   |   |   |        |        |       |
| Cyst                             |             |      |      |      |      |      |      | 2    |      |      |      |      |      |      | 2    |      |      |      | 2    |      |          | 6 2.0 |   |   |   |        |        |       |
| Thrombosis                       |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |          | 1 4.0 |   |   |   |        |        |       |
| Uterus                           | +           | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +        | 50    |   |   |   |        |        |       |
| Hyperplasia, Cystic              | 2           | 2    |      | 3    | 2    |      | 1    | 4    | 2    | 2    | 2    | 3    | 3    | 4    | 4    | 2    | 4    | 4    | 2    | 2    | 3        | 4     | 4 | 2 | 2 | 46 2.8 |        |       |
| Inflammation, Acute              |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |          |       |   |   |   |        | 1 4.0  |       |
| Necrosis                         |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |          |       |   |   |   |        | 1 4.0  |       |
| <b>HEMATOPOIETIC SYSTEM</b>      |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |          |       |   |   |   |        |        |       |
| Bone Marrow                      | +           | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +        | +     | + | + | + | 50     |        |       |
| Myeloid Cell, Hyperplasia        |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |          |       |   |   |   |        | 1 4.0  |       |
| Lymph Node                       |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |          |       |   |   |   |        | 12     |       |
| Ectasia                          |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |          |       |   |   |   |        | 4 3.5  |       |
| Hemorrhage                       |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |          |       |   |   |   |        | 3 3.0  |       |
| Pigmentation                     |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |          |       |   |   |   |        | 5 3.0  |       |
| Iliac, Ectasia                   |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |          |       |   |   |   |        | 1 4.0  |       |
| Iliac, Hemorrhage                |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |          |       |   |   |   |        | 1 4.0  |       |
| Iliac, Hyperplasia, Lymphoid     |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |          |       |   |   |   |        | 1 4.0  |       |
| Iliac, Hyperplasia, Plasma Cell  |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |          |       |   |   |   |        | 1 3.0  |       |
| Lumbar, Pigmentation             |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |          |       |   |   |   |        | 1 3.0  |       |
| Renal, Hyperplasia, Lymphoid     |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |          |       |   |   |   |        | 1 1.0  |       |
| Renal, Pigmentation              |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |          |       |   |   |   |        | 1 2.0  |       |
| Lymph Node, Mandibular           | +           | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +        | +     | + | + | + | +      | 50     |       |
| Hyperplasia, Lymphoid            |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |          |       |   |   |   |        |        | 2 2.5 |
| Infiltration Cellular, Mast Cell |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |          |       |   |   |   |        |        | 1 3.0 |
| Pigmentation                     | 3           | 3    |      | 1    | 3    |      | 1    |      |      |      |      |      |      |      |      |      |      |      |      |      |          |       |   |   |   |        | 41 2.0 |       |

\* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

X .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

Experiment Number: 20209 - 04

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: MICE/B6C3F1

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Pentabromodiphenyl oxide (technical) (DE 71)

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First Dose M/F: 02/25/08 / 02/25/08

Lab: SRI

| B6C3F1 MICE FEMALE<br>30 MG/KG   | DAY ON TEST |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | * TOTALS |        |
|----------------------------------|-------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|----------|--------|
|                                  | 0732        | 0732 | 0732 | 0732 | 0732 | 0732 | 0732 | 0732 | 0732 | 0732 | 0732 | 0732 | 0732 | 0732 | 0732 | 0732 | 0732 | 0732 | 0732 | 0732 |          | 0732   |
| ANIMAL ID                        | 0032        | 0032 | 0032 | 0032 | 0032 | 0032 | 0032 | 0032 | 0032 | 0032 | 0032 | 0032 | 0032 | 0032 | 0032 | 0032 | 0032 | 0032 | 0032 | 0032 | 0032     |        |
| Lymph Node, Mesenteric Atrophy   | +           | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +        | 49     |
| Ectasia                          |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |          | 1 3.0  |
| Hyperplasia, Lymphoid            |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |          | 3 2.7  |
| Spleen                           | +           | +    | +    | +    | +    | M    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +        | 48     |
| Hematopoietic Cell Proliferation |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |          | 11 2.8 |
| Pigmentation                     | 3           |      |      | 1    |      |      | 2    | 2    |      | 1    |      | 1    | 2    | 2    |      | 2    |      | 2    | 1    | 2    | 1        | 28 1.9 |
| Lymphoid Follicle, Atrophy       | 1           |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |          | 3 1.7  |
| Lymphoid Follicle, Hyperplasia   |             |      |      |      |      |      |      |      |      |      |      | 3    | 1    |      |      |      |      |      | 4    |      | 2        | 7 2.3  |
| Thymus                           | +           | +    | +    | +    | +    | +    | +    | +    | M    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +        | 46     |
| Atrophy                          |             |      | 1    | 3    |      |      |      |      |      |      | 3    | 1    | 1    | 1    | 1    | 2    | 1    | 1    | 1    | 1    | 1        | 26 1.6 |
| Cyst                             | 2           |      |      |      | 2    |      |      |      |      |      | 2    | 2    |      |      |      |      |      |      | 2    |      |          | 6 2.0  |
| Hyperplasia, Lymphoid            |             |      |      |      | 1    |      |      | 2    |      |      |      |      | 1    |      | 1    |      | 1    |      |      |      |          | 9 1.1  |
| Necrosis, Lymphoid               |             |      |      | 1    |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |          | 1 1.0  |
| <b>INTEGUMENTARY SYSTEM</b>      |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |          |        |
| Mammary Gland                    | +           | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +        | 50     |
| Galactocele                      | 2           | 1    |      |      | 1    |      |      | 1    |      | 1    | 1    | 1    | 1    | 1    | 1    | 4    | 1    | 1    |      | 1    | 1        | 32 1.3 |
| Hyperplasia                      | 1           |      |      |      |      |      |      |      |      |      |      |      |      |      |      | 2    |      |      |      |      |          | 5 1.4  |
| Inflammation, Chronic            |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | 1    |      | 1    |          | 3 1.0  |
| Inflammation, Chronic Active     |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | 1    |      |      |      |          | 1 1.0  |
| Skin                             | +           | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +        | 50     |
| Edema                            |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | 3        | 1 3.0  |
| Fibrosis                         |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      | 4    |      | 1    |      |      |          | 2 2.5  |
| Foreign Body                     |             |      |      |      |      |      |      |      |      |      |      | 1    |      |      |      |      |      |      |      |      |          | 1 1.0  |
| Inflammation, Acute              |             |      |      |      |      |      |      |      |      |      |      | 2    | 2    |      |      |      |      | 1    |      |      |          | 3 1.7  |

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|---------------------------------|-------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|----------|--------|--------|--------|
|                                 | 07326       | 07327  | 07328  | 07329  | 07330  | 07331  | 07332  | 07333  | 07334  | 07335  | 07336  | 07337  | 07338  | 07339  | 07340  | 07341  | 07342  | 07343  | 07344  | 07345  |          |        | 07346  |        |
| ANIMAL ID                       | 003226      | 003227 | 003228 | 003229 | 003230 | 003231 | 003232 | 003233 | 003234 | 003235 | 003236 | 003237 | 003238 | 003239 | 003240 | 003241 | 003242 | 003243 | 003244 | 003245 | 003246   | 003247 | 003248 | 003249 |
| Inflammation, Chronic           |             |        |        | 1      |        |        |        |        |        |        | 1      |        |        |        |        |        | 1      | 1      | 1      |        |          | 1      |        |        |
| Inflammation, Chronic Active    |             |        |        |        |        |        |        |        |        |        |        | 4      |        | 3      |        |        |        |        |        |        |          | 1      |        |        |
| Mineralization                  |             |        |        |        |        |        |        |        |        |        | 2      |        |        |        |        |        |        |        |        |        |          |        |        |        |
| Ulcer                           |             |        |        |        |        |        |        |        | 4      | 4      |        | 4      |        | 4      |        | 2      |        |        | 4      |        |          |        |        |        |
| Epidermis, Hyperplasia          |             |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |          |        |        |        |
| Epidermis, Tail, Hyperkeratosis |             |        |        |        |        |        |        |        |        |        | 1      |        |        |        |        |        |        |        |        |        | 2        |        |        |        |
| Epidermis, Tail, Hyperplasia    |             |        |        |        |        |        |        |        |        |        |        |        | 2      |        |        |        |        |        |        |        |          |        |        |        |
|                                 |             |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |          |        |        |        |

MUSCULOSKELETAL SYSTEM

|                                  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |
|----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|
| Bone                             | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Fibro-Osseous Lesion             | 3 | 1 | 1 | 2 | 2 | 1 | 1 | 2 | 2 | 1 | 1 | 1 | 1 | 2 | 3 | 2 | 2 | 2 | 1 | 1 | 1 | 1 | 2 | 4  |
| Tail, Callus                     |   |   |   |   | 2 |   |   |   |   |   |   |   |   |   |   |   |   |   | 2 |   |   |   |   |    |
| Tail, Developmental Malformation |   |   |   | X |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1  |
| Vertebra, Callus                 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 4 | 1  |
| Skeletal Muscle                  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 4  |
| Fibrosis                         |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 3 |   | 1  |
| Hemorrhage                       |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 2 |   | 2  |
| Inflammation, Chronic            |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 3 |   | 1  |
| Mineralization                   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1  |
| Necrosis                         |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1  |
| Regeneration                     |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 2 |   | 1  |

NERVOUS SYSTEM

|   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|
| Brain                                   | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Compression                             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1  |
| Hemorrhage                              |   |   |   |   |   | 1 |   |   |   |   |   |   |   |   |   | 1 |   |   |   |   |   |   |   | 3  |
| Infiltration Cellular, Mononuclear Cell |   |   |   |   |   |   |   |   |   |   | 1 |   |   |   |   |   |   |   |   |   |   |   |   | 1  |
| Necrosis                                |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1  |

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|--------------------------------|-------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|----------|------|
|                                | 0732        | 0733 | 0734 | 0735 | 0736 | 0737 | 0738 | 0739 | 0740 | 0741 | 0742 | 0743 | 0744 | 0745 | 0746 | 0747 | 0748 | 0749 | 0750 | 0751 | 0752 | 0753 | 0754 | 0755 |          | 0756 |
| ANIMAL ID                      | 0026        | 0027 | 0028 | 0029 | 0030 | 0031 | 0032 | 0033 | 0034 | 0035 | 0036 | 0037 | 0038 | 0039 | 0040 | 0041 | 0042 | 0043 | 0044 | 0045 | 0046 | 0047 | 0048 | 0049 | 0050     |      |

Pigmentation

1

1 1.0

Peripheral Nerve  
Degeneration

+ 1  
3 1 3.0

Spinal Cord  
Degeneration

+ 3  
2 2.5

**RESPIRATORY SYSTEM**

Lung

+ 50

Congestion

1 4.0

Cyst

1 2.0

Foreign Body

2 1 2.0

Hemorrhage

2 1 2.0

Infiltration Cellular, Histiocyte

1 2 1.5

Inflammation, Acute

3 1 3.0

Mineralization

1 3 1.0

Thrombosis

1 1.0

Alveolar Epithelium, Hyperplasia

1 3.0

Nose

+ 50

Foreign Body

X 3 1.0

Inflammation, Acute

1 4 1.5

Pleura

1

Inflammation, Suppurative

4 1 4.0

Trachea

+ 50

**SPECIAL SENSES SYSTEM**

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|---|-------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|----------|--------|
|   | 0732        | 0732 | 0732 | 0732 | 0732 | 0732 | 0732 | 0732 | 0732 | 0732 | 0732 | 0732 | 0732 | 0732 | 0732 | 0732 | 0732 | 0732 | 0732 | 0732 |          | 0732   |
| ANIMAL ID                               | 0032        | 0032 | 0032 | 0032 | 0032 | 0032 | 0032 | 0032 | 0032 | 0032 | 0032 | 0032 | 0032 | 0032 | 0032 | 0032 | 0032 | 0032 | 0032 | 0032 | 0032     |        |
| Eye                                     | +           | +    | +    | +    | +    | A    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +        | 47     |
| Cornea, Inflammation, Acute             |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |          | 1 1.0  |
| Harderian Gland                         | +           | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +        | 50     |
| Hyperplasia                             |             |      |      |      |      |      |      |      | 4    |      |      |      |      |      |      |      |      |      |      |      |          | 2 3.5  |
| <b>URINARY SYSTEM</b>                   |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |          |        |
| Kidney                                  | +           | +    | +    | +    | +    | A    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +        | 49     |
| Infarct                                 |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | 2        | 1 2.0  |
| Infiltration Cellular, Mononuclear Cell | 1           | 1    |      | 1    | 1    |      | 1    | 1    | 1    | 1    | 1    | 1    | 1    |      | 1    | 1    | 1    | 1    | 1    | 1    | 1        | 43 1.0 |
| Metaplasia, Osseous                     |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |          | 1 1.0  |
| Mineralization                          |             |      |      |      |      |      |      |      |      | 1    |      |      | 1    |      |      |      |      |      |      |      |          | 5 1.0  |
| Nephropathy                             |             |      |      | 1    |      |      |      | 1    |      |      | 1    |      | 1    |      |      | 1    |      |      |      | 1    |          | 9 1.0  |
| Renal Tubule, Atrophy                   |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |          | 1 2.0  |
| Renal Tubule, Degeneration              |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |          | 1 3.0  |
| Renal Tubule, Dilatation                | 1           | 1    |      | 1    |      |      | 1    | 1    | 1    | 1    | 1    | 1    | 1    | 1    |      |      | 1    | 1    |      | 1    | 1        | 34 1.0 |
| Renal Tubule, Necrosis                  |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |          | 1 3.0  |
| Renal Tubule, Regeneration              |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | 2    |      |      |      |          | 1 2.0  |
| Renal Tubule, Vacuolization Cytoplasmic |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |          | 1 2.0  |
| Urinary Bladder                         | +           | +    | +    | +    | +    | A    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +        | 49     |

\* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade  
 + .. Tissue examined microscopically  
 X .. Lesion present  
 I .. Insufficient tissue  
 M .. Missing tissue  
 A .. Autolysis precludes evaluation  
 BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:  
 1) Minimal 3) Moderate  
 2) Mild 4) Marked

|                           |             |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                      |
|---------------------------|-------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|----------------------|
| <b>B6C3F1 MICE FEMALE</b> | DAY ON TEST | 0<br>5<br>4<br>2      | 0<br>5<br>4<br>2      | 0<br>5<br>4<br>2      | 0<br>5<br>4<br>2      | 0<br>5<br>4<br>2      | 0<br>5<br>4<br>2      | 0<br>5<br>4<br>2      | 0<br>5<br>4<br>2      | 0<br>5<br>4<br>2      | 0<br>5<br>4<br>2      | 0<br>5<br>4<br>2      | 0<br>5<br>4<br>2      | 0<br>5<br>4<br>2      | 0<br>5<br>4<br>2      | 0<br>5<br>4<br>2      | 0<br>5<br>4<br>2      | 0<br>5<br>4<br>2      | 0<br>5<br>4<br>2      | 0<br>5<br>4<br>2      | 0<br>5<br>4<br>2      | 0<br>5<br>4<br>2      | 0<br>5<br>4<br>2      | 0<br>5<br>4<br>2      | 0<br>5<br>4<br>2      | females<br>(cont...) |
|                           | ANIMAL ID   | 0<br>0<br>3<br>5<br>1 | 0<br>0<br>3<br>5<br>2 | 0<br>0<br>3<br>5<br>3 | 0<br>0<br>3<br>5<br>4 | 0<br>0<br>3<br>5<br>5 | 0<br>0<br>3<br>5<br>6 | 0<br>0<br>3<br>5<br>7 | 0<br>0<br>3<br>5<br>8 | 0<br>0<br>3<br>5<br>9 | 0<br>0<br>3<br>6<br>0 | 0<br>0<br>3<br>6<br>1 | 0<br>0<br>3<br>6<br>2 | 0<br>0<br>3<br>6<br>3 | 0<br>0<br>3<br>6<br>4 | 0<br>0<br>3<br>6<br>5 | 0<br>0<br>3<br>6<br>6 | 0<br>0<br>3<br>6<br>7 | 0<br>0<br>3<br>6<br>8 | 0<br>0<br>3<br>6<br>9 | 0<br>0<br>3<br>7<br>0 | 0<br>0<br>3<br>7<br>1 | 0<br>0<br>3<br>7<br>2 | 0<br>0<br>3<br>7<br>3 | 0<br>0<br>3<br>7<br>4 |                      |

ALIMENTARY SYSTEM

|  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Esophagus  | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Inflammation, Granulomatous Muscularis, Degeneration |   | 1 |   |   |   |   |   | 2 |   |   |   |   |   | 2 |   |   |   |   |   |   |   |   |   |   |   |
| Gallbladder  | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + |   |
| Intestine Large, Cecum                               | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |   |
| Intestine Large, Colon                               | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |   |
| Intestine Large, Rectum                              | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |   |
| Intestine Small, Duodenum                            | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |   |
| Intestine Small, Ileum                               | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |   |
| Intestine Small, Jejunum                             | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |   |
| Liver  | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |   |
| Basophilic Focus                                     |   | X |   |   |   |   | X |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Clear Cell Focus                                     |   |   |   |   |   |   |   |   |   |   |   |   | X |   |   |   |   |   |   |   |   |   |   | X |   |
| Eosinophilic Focus                                   |   |   | X |   |   |   |   | X |   | X |   |   |   |   |   | X |   |   |   | X |   |   |   |   |   |
| Eosinophilic Focus, Multiple                         |   |   |   | X |   |   |   |   |   |   |   |   |   |   | X | X |   |   |   |   |   | X | X |   |   |
| Fatty Change   |   |   | 1 |   |   |   |   | 1 |   | 1 | 1 | 1 |   |   | 1 | 2 | 2 | 1 |   |   |   |   | 1 |   |   |
| Hematopoietic Cell Proliferation                     |   |   |   |   |   |   | 1 |   | 1 | 1 |   |   |   |   |   |   |   | 1 | 1 | 1 |   |   |   |   |   |
| Hemorrhage   |   |   | 2 |   |   |   |   | 1 |   | 2 |   |   |   |   |   | 2 |   | 1 |   |   |   |   |   |   |   |
| Inflammation, Acute                                  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Inflammation, Chronic                                |   | 1 | 2 | 1 | 1 | 1 |   |   | 1 | 1 |   | 1 | 1 | 1 | 1 |   | 2 |   | 1 | 1 | 1 | 1 | 2 | 1 |   |
| Mixed Cell Focus                                     |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |

\* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade  
 + .. Tissue examined microscopically M .. Missing tissue  
 X .. Lesion present A .. Autolysis precludes evaluation  
 I .. Insufficient tissue BLANK .. Not examined microscopically  
 1-4 .. Lesion qualified as:  
 1) Minimal 3) Moderate  
 2) Mild 4) Marked

Experiment Number: 20209 - 04

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: MICE/B6C3F1

**P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL**

Pentabromodiphenyl oxide (technical) (DE 71)

CAS Number: 32534-81-9

Date Report Requested: 09/10/2014

Time Report Requested: 08:48:43

First Dose M/F: 02/25/08 / 02/25/08

Lab: SRI

| B6C3F1 MICE FEMALE<br>100 MG/KG  | DAY ON TEST      |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  | ANIMAL ID | females<br>(cont...) |   |   |
|--|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|-----------|----------------------|---|---|
|  | 0<br>5<br>4<br>2 | 0<br>5<br>4<br>2 | 0<br>5<br>4<br>2 | 0<br>5<br>4<br>2 | 0<br>5<br>4<br>2 | 0<br>5<br>4<br>2 | 0<br>5<br>4<br>2 | 0<br>5<br>4<br>2 | 0<br>5<br>4<br>2 | 0<br>5<br>4<br>2 | 0<br>5<br>4<br>2 | 0<br>5<br>4<br>2 | 0<br>5<br>4<br>2 | 0<br>5<br>4<br>2 | 0<br>5<br>4<br>2 | 0<br>5<br>4<br>2 | 0<br>5<br>4<br>2 | 0<br>5<br>4<br>2 | 0<br>5<br>4<br>2 | 0<br>5<br>4<br>2 |           |                      |   |   |
| Necrosis, Focal<br>Centrilobular, Hepatocyte, Hypertrophy<br>Kupffer Cell, Pigmentation  | 3                | 4                | 3                | 4                | 3                | 3                | 4                | 3                | 3                | 4                | 3                | 3                | 3                | 3                | 3                | 3                | 3                | 3                | 3                | 3                | 2         | 3                    | 3 | 3 |
| Mesentery<br>Fat, Necrosis   |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |           |                      |   |   |
| Pancreas<br>Inflammation, Chronic<br>Necrosis<br>Duct, Cyst  | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +         | +                    | + | + |
| Salivary Glands<br>Infiltration Cellular, Mononuclear Cell<br>Mineralization   | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +         | +                    | + | + |
| Stomach, Forestomach<br>Angiectasis, Focal<br>Erosion<br>Inflammation<br>Inflammation, Acute<br>Ulcer<br>Epithelium, Hyperplasia | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +         | +                    | + | + |
| Stomach, Glandular<br>Erosion<br>Mineralization<br>Glands, Ectasia, Focal  | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +         | +                    | + | + |

**CARDIOVASCULAR SYSTEM**

\* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade  
+ .. Tissue examined microscopically      M .. Missing tissue      1-4 .. Lesion qualified as:  
X .. Lesion present      A .. Autolysis precludes evaluation      1) Minimal 3) Moderate  
I .. Insufficient tissue      BLANK .. Not examined microscopically      2) Mild 4) Marked

Experiment Number: 20209 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL  
 Pentabromodiphenyl oxide (technical) (DE 71)  
 CAS Number: 32534-81-9

Date Report Requested: 09/10/2014  
 Time Report Requested: 08:48:43  
 First Dose M/F: 02/25/08 / 02/25/08  
 Lab: SRI

| B6C3F1 MICE FEMALE | DAY ON TEST | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |   |   |
|--------------------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
|                    |             | 5 | 5 | 5 | 5 | 5 | 4 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| 100 MG/KG          | ANIMAL ID   | 4 | 4 | 4 | 4 | 1 | 4 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |   |   |
|                    |             | 2 | 2 | 2 | 2 | 5 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 5 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |   |
|                    |             | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |   |
|                    |             | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |   |
|                    |             | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |   |
|                    |             | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 |

females  
(cont...)

|                      |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|----------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Blood Vessel         | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |   |
| Heart Mineralization | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |

### ENDOCRINE SYSTEM

|                                   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|-----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Adrenal Cortex                    | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |   |   |
| Accessory Adrenal Cortical Nodule |   |   |   |   |   |   |   |   |   |   |   | 1 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Hematopoietic Cell Proliferation  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1 |   |   |   |   |   |   |   |   |   |   |   |   |
| Hemorrhage                        |   |   |   |   | 4 |   | 3 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Hypertrophy, Focal                |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Hypertrophy, Diffuse              |   |   |   |   | 2 |   | 2 |   |   |   | 2 |   |   |   |   |   |   |   | 1 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Capsule, Cyst                     |   |   |   |   |   |   |   |   |   |   |   |   |   |   | X |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Capsule, Hyperplasia              | 2 | 4 | 2 | 2 | 2 | 4 | 2 | 2 | 2 | 2 | 3 | 4 | 2 | 2 | 2 | 2 | 2 | 4 | 2 | 2 | 2 | 2 | 2 | 3 | 2 | 2 |   |   |   |   |   |   |   |   |   |   |   |
| Adrenal Medulla                   | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |   |
| Islets, Pancreatic Hyperplasia    | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Parathyroid Gland                 | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + |   |
| Pituitary Gland                   | + | + | + | + | + | + | + | + | + | + | + | + | I | + | + | + | + | + | + | + | + | + | + | I | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Pars Distalis, Hyperplasia        |   |   | 3 | 2 |   |   |   | 4 |   | 1 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 3 |
| Rathke's Cleft, Cyst              |   |   |   |   |   |   |   | 2 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Thyroid Gland                     | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Follicle, Degeneration            |   |   |   | 1 |   | 1 | 1 |   | 2 |   |   | 1 |   |   |   |   | 1 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Follicle, Hypertrophy             |   | 3 | 2 | 3 | 3 | 2 | 3 | 2 | 2 | 2 | 1 |   | 2 | 2 | 2 | 3 | 2 | 2 | 1 | 3 | 3 | 3 | 3 | 1 |   |   |   |   |   |   |   |   |   |   |   | 2 |   |

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 + .. Tissue examined microscopically  
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 I .. Insufficient tissue  
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Experiment Number: 20209 - 04

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P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

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CAS Number: 32534-81-9

Date Report Requested: 09/10/2014

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First Dose M/F: 02/25/08 / 02/25/08

Lab: SRI

|                           |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|---------------------------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| <b>B6C3F1 MICE FEMALE</b> | DAY ON TEST | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|                           |             | 5 | 5 | 5 | 5 | 5 | 4 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
|                           |             | 4 | 4 | 4 | 4 | 1 | 4 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| <b>100 MG/KG</b>          |             | 2 | 2 | 2 | 2 | 5 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 5 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
|                           | ANIMAL ID   | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|                           |             | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|                           |             | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
|                           |             | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
|                           |             | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 |

females (cont...)

|                                  |   |   |   |   |   |   |   |   |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |  |
|----------------------------------|---|---|---|---|---|---|---|---|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|--|
| Hematopoietic Cell Proliferation | 1   |   |   |   |   |   |   |   |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |  |
| Hemorrhage                       |   |   |   |   |   |   |   |   |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |  |
| Pigmentation                     | 2   | 1 | 3 |   |   |   |   |   |  |   | 3 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 1 | 3 | 2 |   |   | 2 | 2 |   |   | 1 | 2 | 2 |   |   |   |   |   |   |  |  |
| Lymph Node, Mesenteric           | +             |   |   |   |   |   |   |   |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |  |
| Atrophy                          |   |   |   |   |   |   |   |   |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |  |
| Necrosis, Lymphoid               | 1   |   |   |   |   |   |   |   |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1 |   |   |   |   |   |   |   |   |  |  |
| Pigmentation                     |   |   |   |   |   |   |   |   |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1 |   |   |   |   |   |   |   |   |   |  |  |
| Spleen                           | +             |   |   |   |   |   |   |   |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |  |
| Hematopoietic Cell Proliferation | 2   | 2 |   |   | 4 | 4 | 2 |   |  | 2 |   |   | 2 |   |   | 1 |   |   | 2 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |   |  |  |
| Pigmentation                     |   |   |   |   | 1 | 1 | 1 | 2 |  |   | 1 | 2 |   |   | 2 | 1 |   |   | 2 | 1 | 2 | 2 |   |   | 2 | 2 |   |   | 2 | 2 |   |   | 2 | 2 | 2 | 2 |  |  |
| Lymphoid Follicle, Atrophy       |   |   |   |   |   |   | 1 |   |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |  |
| Lymphoid Follicle, Hyperplasia   | 2   | 1 | 2 |   |   |   |   | 1 |  |   | 1 |   |   | 2 | 1 |   |   | 1 |   |   | 2 | 1 |   |   | 1 | 2 |   |   | 1 | 1 |   |   |   |   |   |   |  |  |
| Thymus                           | + |   |   |   |   |   |   |   |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |  |
| Atrophy                          |   |   | 2 |   |   |   |   | 4 |  |   | 4 |   |   | 2 |   |   |   |   | 4 |   |   |   |   | 1 | 1 |   |   |   |   |   |   |   |   |   |   |   |  |  |
| Cyst                             |   |   |   |   |   |   |   |   |  |   |   |   |   |   | 2 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |  |
| Hyperplasia, Lymphoid            | 2   |   |   | 2 | 2 |   |   |   |  | 2 |   |   | 1 |   |   |   |   | 1 | 2 |   |   |   |   | 1 | 2 |   |   |   |   |   |   |   |   |   |   |   |  |  |

INTEGUMENTARY SYSTEM

|                              |   |  |  |   |   |   |   |  |  |   |  |  |   |   |   |   |   |   |   |   |   |  |  |   |   |  |   |   |   |   |   |   |   |   |   |   |   |  |  |  |  |   |   |  |  |   |   |  |  |   |   |  |  |  |
|------------------------------|---|--|--|---|---|---|---|--|--|---|--|--|---|---|---|---|---|---|---|---|---|--|--|---|---|--|---|---|---|---|---|---|---|---|---|---|---|--|--|--|--|---|---|--|--|---|---|--|--|---|---|--|--|--|
| Mammary Gland                | + |  |  |   |   |   |   |  |  |   |  |  |   |   |   |   |   |   |   |   |   |  |  |   |   |  |   |   |   |   |   |   |   |   |   |   |   |  |  |  |  |   |   |  |  |   |   |  |  |   |   |  |  |  |
| Galactocele                  | 1   |  |  |   | 2 | 2 | 2 |  |  | 1 |  |  | 2 | 1 | 1 | 1 | 2 | 2 | 1 | 1 | 1 |  |  | 1 |   |  | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 |   |   |  |  |  |  |   |   |  |  |   |   |  |  |   |   |  |  |  |
| Inflammation, Chronic        |   |  |  |   |   |   |   |  |  |   |  |  |   |   |   |   |   |   |   |   |   |  |  |   | 2 |  |   |   |   |   |   |   |   |   |   |   |   |  |  |  |  |   |   |  |  |   |   |  |  |   |   |  |  |  |
| Inflammation, Chronic Active |   |  |  |   |   |   |   |  |  |   |  |  |   |   |   |   |   |   |   |   |   |  |  |   |   |  |   |   |   |   |   |   |   |   |   |   |   |  |  |  |  |   |   |  |  |   |   |  |  |   |   |  |  |  |
| Skin                         | + |  |  |   |   |   |   |  |  |   |  |  |   |   |   |   |   |   |   |   |   |  |  |   |   |  |   |   |   |   |   |   |   |   |   |   |   |  |  |  |  |   |   |  |  |   |   |  |  |   |   |  |  |  |
| Inflammation, Chronic        |   |  |  | 1 |   |   |   |  |  |   |  |  |   |   |   |   |   |   |   |   |   |  |  |   | 1 |  |   | 2 |   |   | 1 |   |   |   |   | 1 | 2 |  |  |  |  | 1 | 2 |  |  | 1 | 2 |  |  | 1 | 2 |  |  |  |
| Inflammation, Chronic Active |   |  |  |   |   |   | 2 |  |  |   |  |  |   |   |   |   |   |   |   |   |   |  |  |   |   |  |   |   | 1 |   |   |   |   |   |   |   |   |  |  |  |  |   |   |  |  |   |   |  |  |   |   |  |  |  |
| Mineralization               |   |  |  |   |   |   |   |  |  |   |  |  |   |   | 2 |   |   |   |   |   |   |  |  |   |   |  |   |   |   |   |   |   |   |   |   |   |   |  |  |  |  |   |   |  |  |   |   |  |  |   |   |  |  |  |

\* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade  
+ .. Tissue examined microscopically  
X .. Lesion present  
I .. Insufficient tissue  
M .. Missing tissue  
A .. Autolysis precludes evaluation  
BLANK .. Not examined microscopically  
1-4 .. Lesion qualified as:  
1) Minimal 3) Moderate  
2) Mild 4) Marked



Experiment Number: 20209 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

**P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL**  
 Pentabromodiphenyl oxide (technical) (DE 71)  
 CAS Number: 32534-81-9

Date Report Requested: 09/10/2014  
 Time Report Requested: 08:48:43  
 First Dose M/F: 02/25/08 / 02/25/08  
 Lab: SRI

| B6C3F1 MICE FEMALE<br>100 MG/KG | DAY ON TEST      |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  | ANIMAL ID |   |                  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |                      |
|---------------------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|-----------|---|------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----------------------|
|                                 | 0<br>5<br>4<br>2 | 0<br>5<br>4<br>2 | 0<br>5<br>4<br>2 | 0<br>5<br>4<br>2 | 0<br>5<br>4<br>2 | 0<br>5<br>4<br>2 | 0<br>5<br>4<br>2 | 0<br>5<br>4<br>2 | 0<br>5<br>4<br>2 | 0<br>5<br>4<br>2 | 0<br>5<br>4<br>2 | 0<br>5<br>4<br>2 | 0<br>5<br>4<br>2 | 0<br>5<br>4<br>2 | 0<br>5<br>4<br>2 | 0<br>5<br>4<br>2 | 0<br>5<br>4<br>2 | 0<br>5<br>4<br>2 | 0<br>5<br>4<br>2 | 0<br>5<br>4<br>2 | 0<br>5<br>4<br>2 | 0<br>5<br>4<br>2 |           |   | 0<br>5<br>4<br>2 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |                      |
|                                 | 0                | 0                | 0                | 0                | 0                | 0                | 0                | 0                | 0                | 0                | 0                | 0                | 0                | 0                | 0                | 0                | 0                | 0                | 0                | 0                | 0                | 0                | 0         | 0 | 0                | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | females<br>(cont...) |
|                                 | 0                | 0                | 0                | 0                | 0                | 0                | 0                | 0                | 0                | 0                | 0                | 0                | 0                | 0                | 0                | 0                | 0                | 0                | 0                | 0                | 0                | 0                | 0         | 0 | 0                | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |   |                      |
|                                 | 3                | 3                | 3                | 3                | 3                | 3                | 3                | 3                | 3                | 3                | 3                | 3                | 3                | 3                | 3                | 3                | 3                | 3                | 3                | 3                | 3                | 3                | 3         | 3 | 3                | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |   |                      |
|                                 | 5                | 5                | 5                | 5                | 5                | 5                | 5                | 5                | 5                | 5                | 5                | 5                | 5                | 5                | 5                | 5                | 5                | 5                | 5                | 5                | 5                | 5                | 5         | 5 | 5                | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |   |                      |
|                                 | 1                | 2                | 3                | 4                | 5                | 6                | 7                | 8                | 9                | 0                | 1                | 2                | 3                | 4                | 5                | 6                | 7                | 8                | 9                | 0                | 1                | 2                | 3         | 4 | 5                | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 |   |   |   |                      |

Necrosis, Fatty, Focal  
 Hair Follicle, Atrophy, Focal  
 Hair Follicle, Inflammation, Chronic Active

2  
2

### MUSCULOSKELETAL SYSTEM

|                      |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|----------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Bone                 | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |   |
| Fibro-Osseous Lesion | 1 | 1 | 1 | 1 |   |   |   |   |   | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 |   |   |   | 1 | 1 | 1 |   |   |   |   |   |   |   |   |   |   |
| Tail, Callus         |   |   |   |   |   |   |   |   | 2 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Skeletal Muscle      |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | + |

### NERVOUS SYSTEM

|   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |   |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|---|
| Brain                                   | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |  |   |
| Developmental Malformation              |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |   |
| Hemorrhage                              |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  | 1 |
| Infiltration Cellular, Mononuclear Cell |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |   |
| Peripheral Nerve                        |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  | + |
| Spinal Cord                             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  | + |

### RESPIRATORY SYSTEM

|                                   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|-----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Lung                              | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |   |
| Edema                             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Hemorrhage                        |   |   | 1 |   |   |   | 2 |   |   |   |   | 1 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1 |
| Infiltration Cellular, Histiocyte |   |   |   |   |   |   |   | 1 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Inflammation, Granulomatous       |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Metaplasia, Osseous               |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |

\* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade  
 + .. Tissue examined microscopically  
 X .. Lesion present  
 I .. Insufficient tissue

M .. Missing tissue  
 A .. Autolysis precludes evaluation  
 BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:  
 1) Minimal 3) Moderate  
 2) Mild 4) Marked



Experiment Number: 20209 - 04

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Pentabromodiphenyl oxide (technical) (DE 71)

CAS Number: 32534-81-9

Date Report Requested: 09/10/2014

Time Report Requested: 08:48:43

First Dose M/F: 02/25/08 / 02/25/08

Lab: SRI

|   |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|---|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| <b>B6C3F1 MICE FEMALE</b><br><b>100 MG/KG</b> | DAY ON TEST | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |   |
|   |             | 5 | 5 | 5 | 5 | 5 | 5 | 4 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |   |
|   |             | 4 | 4 | 4 | 4 | 4 | 1 | 4 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
|   |             | 2 | 2 | 2 | 2 | 5 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 5 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
|   | ANIMAL ID   | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |   |
|   |             | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|   |             | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
|   |             | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |   |
|   |             | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 |   |

females  
(cont...)

Urinary Bladder

+ +

\* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade  
+ .. Tissue examined microscopically  
X .. Lesion present  
I .. Insufficient tissue

M .. Missing tissue  
A .. Autolysis precludes evaluation  
BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:  
1) Minimal 3) Moderate  
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Experiment Number: 20209 - 04

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: MICE/B6C3F1

**P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL**

Pentabromodiphenyl oxide (technical) (DE 71)

CAS Number: 32534-81-9

Date Report Requested: 09/10/2014

Time Report Requested: 08:48:43

First Dose M/F: 02/25/08 / 02/25/08

Lab: SRI

| B6C3F1 MICE FEMALE<br>100 MG/KG         | DAY ON TEST           |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |   |   |                       |                       |                       |          |   |   |   |   |   |   |  |   |  |   |   |   |   |   |          |              |               |              |
|---|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|---|---|-----------------------|-----------------------|-----------------------|----------|---|---|---|---|---|---|--|---|--|---|---|---|---|---|----------|--------------|---------------|--------------|
|   | 0<br>5<br>4<br>2      | 0<br>5<br>4<br>2      | 0<br>3<br>6<br>2      | 0<br>5<br>4<br>2      | 0<br>5<br>4<br>2      | 0<br>5<br>4<br>2      | 0<br>5<br>4<br>2      | 0<br>5<br>4<br>2      | 0<br>5<br>4<br>2      | 0<br>5<br>4<br>2      | 0<br>5<br>4<br>2      | 0<br>5<br>4<br>2      | 0<br>5<br>4<br>2      | 0<br>5<br>4<br>2      | 0<br>5<br>4<br>2      | 0<br>5<br>4<br>2      | 0<br>5<br>4<br>2      | 0<br>5<br>4<br>2      | 0<br>5<br>4<br>2      | 0<br>5<br>4<br>2      |   |   | 0<br>5<br>4<br>2      |                       |                       |          |   |   |   |   |   |   |  |   |  |   |   |   |   |   |          |              |               |              |
|   | ANIMAL ID             |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |   |   |                       |                       |                       |          |   |   |   |   |   |   |  |   |  |   |   |   |   |   |          |              |               |              |
|   | 0<br>0<br>3<br>7<br>6 | 0<br>0<br>3<br>7<br>7 | 0<br>0<br>3<br>7<br>8 | 0<br>0<br>3<br>7<br>8 | 0<br>0<br>3<br>8<br>0 | 0<br>0<br>3<br>8<br>1 | 0<br>0<br>3<br>8<br>2 | 0<br>0<br>3<br>8<br>3 | 0<br>0<br>3<br>8<br>4 | 0<br>0<br>3<br>8<br>5 | 0<br>0<br>3<br>8<br>6 | 0<br>0<br>3<br>8<br>7 | 0<br>0<br>3<br>8<br>8 | 0<br>0<br>3<br>9<br>0 | 0<br>0<br>3<br>9<br>1 | 0<br>0<br>3<br>9<br>2 | 0<br>0<br>3<br>9<br>3 | 0<br>0<br>3<br>9<br>4 | 0<br>0<br>3<br>9<br>5 | 0<br>0<br>3<br>9<br>6 |   |   | 0<br>0<br>3<br>9<br>7 | 0<br>0<br>3<br>9<br>8 | 0<br>0<br>3<br>9<br>9 | * TOTALS |   |   |   |   |   |   |  |   |  |   |   |   |   |   |          |              |               |              |
| Necrosis, Focal                         |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | 2 | 3 | <b>3 2.7</b>          |                       |                       |          |   |   |   |   |   |   |  |   |  |   |   |   |   |   |          |              |               |              |
| Centrilobular, Hepatocyte, Hypertrophy  | 3                     | 2                     |                       | 2                     | 3                     | 3                     |                       | 3                     | 3                     | 4                     | 3                     | 3                     | 4                     | 2                     | 3                     | 2                     | 1                     |                       | 2                     | 3                     | 1 | 3 | 3                     | 2                     | <b>47 2.9</b>         |          |   |   |   |   |   |   |  |   |  |   |   |   |   |   |          |              |               |              |
| Kupffer Cell, Pigmentation              | 1                     | 1                     |                       | 1                     | 1                     | 1                     | 2                     |                       | 1                     | 2                     | 1                     |                       |                       |                       | 2                     | 2                     | 2                     |                       |                       |                       | 1 | 2 | 1                     |                       | <b>27 1.4</b>         |          |   |   |   |   |   |   |  |   |  |   |   |   |   |   |          |              |               |              |
| Mesentery                               |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |   | + |                       |                       |                       |          |   |   |   |   |   |   |  |   |  |   |   |   |   |   | <b>5</b> |              |               |              |
| Fat, Necrosis                           |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |   |   |                       |                       |                       |          |   |   |   |   |   |   |  |   |  |   |   |   |   |   |          |              | <b>3 2.3</b>  |              |
| Pancreas                                |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |   |   |                       |                       |                       |          |   |   |   |   |   |   |  |   |  |   |   |   |   |   |          |              | <b>50</b>     |              |
| Inflammation, Chronic                   | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | + | + | +                     |                       | <b>22 1.2</b>         |          |   |   |   |   |   |   |  |   |  |   |   |   |   |   |          |              |               |              |
| Necrosis                                |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |   |   |                       | 2                     |                       |          | 2 |   | 1 | 2 | 1 | 1 |  | 1 |  |   |   |   |   |   |          | <b>1 2.0</b> |               |              |
| Duct, Cyst                              |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |   |   |                       |                       |                       |          |   |   |   |   |   |   |  |   |  |   |   |   |   |   | X        | <b>1</b>     |               |              |
| Salivary Glands                         |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |   |   |                       |                       |                       |          |   |   |   |   |   |   |  |   |  |   |   |   |   |   |          |              | <b>48</b>     |              |
| Infiltration Cellular, Mononuclear Cell | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | M                     | +                     | M                     | + | + | +                     | +                     | <b>26 1.1</b>         |          |   |   |   |   |   |   |  |   |  |   |   |   |   |   |          |              |               |              |
| Mineralization                          |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |   |   |                       | 1                     |                       |          | 1 | 1 |   | 1 | 1 |   |  |   |  |   |   |   |   |   |          |              | <b>1 1.0</b>  |              |
| Stomach, Forestomach                    |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |   |   |                       |                       |                       |          |   |   |   |   |   |   |  |   |  |   |   |   |   |   |          |              | <b>49</b>     |              |
| Angiectasis, Focal                      |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |   |   |                       |                       |                       |          |   |   |   |   |   |   |  | 3 |  |   |   |   |   |   |          |              | <b>1 3.0</b>  |              |
| Erosion                                 |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |   |   |                       |                       |                       |          |   |   |   |   |   |   |  |   |  | 1 |   | 2 |   | 2 |          |              | <b>3 1.7</b>  |              |
| Inflammation                            |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |   |   |                       |                       |                       |          |   |   |   |   |   |   |  |   |  |   |   |   | 1 |   | 2        |              | <b>6 1.5</b>  |              |
| Inflammation, Acute                     |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |   |   |                       |                       |                       |          |   |   |   |   |   |   |  |   |  |   |   |   |   | 2 |          |              | <b>1 2.0</b>  |              |
| Ulcer                                   |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |   |   |                       |                       |                       |          |   |   |   |   |   |   |  |   |  |   |   |   |   |   | 2        |              | <b>1 2.0</b>  |              |
| Epithelium, Hyperplasia                 |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |   |   |                       | 4                     |                       |          |   |   |   |   |   |   |  | 1 |  | 2 | 3 |   | 2 | 4 | 3        |              | <b>16 2.6</b> |              |
| Stomach, Glandular                      |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |   |   |                       |                       |                       |          |   |   |   |   |   |   |  |   |  |   |   |   |   |   |          |              | <b>48</b>     |              |
| Erosion                                 |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |   |   |                       |                       |                       |          |   |   |   |   |   |   |  |   |  |   |   |   |   |   |          | 4            | <b>1 4.0</b>  |              |
| Mineralization                          |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |   |   |                       |                       |                       |          |   |   |   |   |   |   |  |   |  |   |   |   |   |   |          |              |               | <b>1 1.0</b> |
| Glands, Ectasia, Focal                  |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |   |   |                       |                       |                       |          |   |   |   |   |   |   |  |   |  |   |   |   |   |   |          |              |               | <b>1 1.0</b> |

**CARDIOVASCULAR SYSTEM**

\* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

X .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

Experiment Number: 20209 - 04

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: MICE/B6C3F1

**P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL**

Pentabromodiphenyl oxide (technical) (DE 71)

CAS Number: 32534-81-9

Date Report Requested: 09/10/2014

Time Report Requested: 08:48:43

First Dose M/F: 02/25/08 / 02/25/08

Lab: SRI

| B6C3F1 MICE FEMALE<br>100 MG/KG   | DAY ON TEST           |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | * TOTALS              |             |
|-----------------------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-------------|
|                                   | 0<br>5<br>4<br>2      | 0<br>5<br>4<br>2      | 0<br>3<br>6<br>2      | 0<br>5<br>4<br>2      | 0<br>5<br>4<br>2      | 0<br>5<br>4<br>2      | 0<br>5<br>4<br>2      | 0<br>5<br>4<br>2      | 0<br>5<br>4<br>2      | 0<br>5<br>4<br>2      | 0<br>5<br>4<br>2      | 0<br>5<br>4<br>2      | 0<br>5<br>4<br>2      | 0<br>5<br>4<br>2      | 0<br>5<br>4<br>2      | 0<br>5<br>4<br>2      | 0<br>5<br>4<br>2      | 0<br>5<br>4<br>2      | 0<br>5<br>4<br>2      | 0<br>5<br>4<br>2      |                       |             |
| ANIMAL ID                         | 0<br>0<br>3<br>7<br>6 | 0<br>0<br>3<br>7<br>7 | 0<br>0<br>3<br>7<br>8 | 0<br>0<br>3<br>7<br>8 | 0<br>0<br>3<br>7<br>8 | 0<br>0<br>3<br>8<br>8 | 0<br>0<br>3<br>8<br>8 | 0<br>0<br>3<br>8<br>8 | 0<br>0<br>3<br>8<br>8 | 0<br>0<br>3<br>8<br>8 | 0<br>0<br>3<br>8<br>8 | 0<br>0<br>3<br>8<br>8 | 0<br>0<br>3<br>8<br>8 | 0<br>0<br>3<br>8<br>8 | 0<br>0<br>3<br>8<br>8 | 0<br>0<br>3<br>9<br>9 | 0<br>0<br>3<br>9<br>9 | 0<br>0<br>3<br>9<br>9 | 0<br>0<br>3<br>9<br>9 | 0<br>0<br>3<br>9<br>9 | 0<br>0<br>3<br>9<br>9 |             |
| Blood Vessel                      | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | 49          |
| Heart Mineralization              | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | M                     | +                     | +                     | +                     | 49<br>1 1.0 |
| <b>ENDOCRINE SYSTEM</b>           |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |             |
| Adrenal Cortex                    | +                     | +                     | A                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | A                     | +                     | A                     | +                     | 47          |
| Accessory Adrenal Cortical Nodule |                       |                       |                       |                       |                       |                       |                       |                       | 1                     |                       |                       |                       |                       | 1                     |                       |                       |                       |                       |                       |                       |                       | 3 1.0       |
| Hematopoietic Cell Proliferation  |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | 1 1.0       |
| Hemorrhage                        |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | 2 3.5       |
| Hypertrophy, Focal                |                       |                       |                       |                       | 2                     |                       |                       |                       |                       |                       |                       |                       | 1                     |                       |                       |                       |                       |                       |                       |                       |                       | 2 1.5       |
| Hypertrophy, Diffuse              |                       |                       |                       |                       |                       |                       | 1                     |                       |                       | 1                     |                       |                       |                       |                       |                       | 1                     |                       |                       | 1                     |                       |                       | 8 1.4       |
| Capsule, Cyst                     |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | 1           |
| Capsule, Hyperplasia              | 2                     | 2                     |                       | 2                     | 3                     | 2                     | 2                     | 2                     | 2                     | 2                     | 4                     | 2                     | 3                     | 2                     | 2                     | 3                     | 2                     |                       | 3                     | 2                     | 2                     | 3 2         |
| Adrenal Medulla                   | +                     | +                     | A                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | A                     | +                     | +                     | +                     | 48          |
| Islets, Pancreatic Hyperplasia    | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | 50<br>1 1.0 |
| Parathyroid Gland                 | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | M                     | +                     | +                     | +                     | 47          |
| Pituitary Gland                   | +                     | +                     | A                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | M                     | +                     | +                     | M                     | 45          |
| Pars Distalis, Hyperplasia        |                       |                       |                       | 1                     | 2                     |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | 1                     |                       | 1                     |                       | 10 2.0      |
| Rathke's Cleft, Cyst              |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | 2                     | 1 2.0       |
| Thyroid Gland                     | +                     | +                     | M                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | M                     | +                     | M                     | +                     | 47          |
| Follicle, Degeneration            |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | 1                     | 1                     |                       |                       | 1                     |                       |                       |                       |                       | 2                     | 11 1.3      |
| Follicle, Hypertrophy             | 2                     | 2                     |                       | 3                     | 3                     | 3                     | 3                     |                       | 3                     | 3                     | 2                     | 3                     | 2                     | 3                     | 2                     | 2                     | 3                     | 2                     | 3                     | 3                     | 2                     | 42 2.4      |

\* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

X .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

Experiment Number: 20209 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL  
 Pentabromodiphenyl oxide (technical) (DE 71)  
 CAS Number: 32534-81-9

Date Report Requested: 09/10/2014  
 Time Report Requested: 08:48:43  
 First Dose M/F: 02/25/08 / 02/25/08  
 Lab: SRI

| B6C3F1 MICE FEMALE<br>100 MG/KG | DAY ON TEST |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       | * TOTALS |
|---------------------------------|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------|
|                                 | 0542        | 0542  | 0546  | 0544  | 0544  | 0541  | 0545  | 0544  | 0542  | 0542  | 0542  | 0542  | 0542  | 0542  | 0542  | 0542  | 0542  | 0542  | 0542  | 0542  | 0542  | 0542  | 0542  | 0542  |          |
| ANIMAL ID                       | 00376       | 00377 | 00378 | 00379 | 00380 | 00381 | 00382 | 00383 | 00384 | 00385 | 00386 | 00387 | 00388 | 00389 | 00390 | 00391 | 00392 | 00393 | 00394 | 00395 | 00396 | 00397 | 00398 | 00399 |          |

Follicular Cell, Hyperplasia

1 1.0

### GENERAL BODY SYSTEM

|                  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |   |   |       |
|------------------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|---|--|---|---|-------|
| Peritoneum       |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | + |  | 1 |   |       |
| Tissue NOS       |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  | + | 1 |       |
| Abscess, Chronic |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |   | 4 | 1 4.0 |
| Foreign Body     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  | X | 1 |       |

### GENITAL SYSTEM

|                              |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |       |        |   |   |   |    |    |   |   |   |   |        |
|------------------------------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-------|--------|---|---|---|----|----|---|---|---|---|--------|
| Clitoral Gland               |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | +     | +      | + | + | + | 50 |    |   |   |   |   |        |
| Inflammation, Chronic Active |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |   |   | 1 |   |   |   |   |   |   |   |   |   |   |   |   |   | 1 | 1     | 18 1.2 |   |   |   |    |    |   |   |   |   |        |
| Ovary                        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | +     | +      | + | + | + | 48 |    |   |   |   |   |        |
| Atrophy                      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |   |   | 2 |   |   |   |   |   |   |   |   |   |   |   |   |   | 2 | 7 2.0 |        |   |   |   |    |    |   |   |   |   |        |
| Cyst                         |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |   |   | 2 |   |   |   |   |   |   |   |   |   |   |   | 2 |   |   |       |        |   |   |   |    |    |   |   |   |   |        |
| Uterus                       |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | +     | +      | + | + | + | +  | 49 |   |   |   |   |        |
| Hyperplasia, Cystic          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |   |   | 2 | 3 |   | 3 | 4 | 3 |   |   |   | 2 | 3 | 3 | 2 | 2 | 3 | 4     | 1      | 2 | 1 |   | 4  | 2  | 4 | 2 | 2 | 4 | 43 2.7 |
| Serosa, Cyst                 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |   |   |   |   |   |   | X |   |   |   |   |   |   |   |   |   |   |       |        |   |   | 1 |    |    |   |   |   |   |        |

### HEMATOPOIETIC SYSTEM

|                        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |  |       |
|------------------------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|--|-------|
| Bone Marrow            |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 |  |       |
| Lymph Node             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | + |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 4  |  |       |
| Hyperplasia, Lymphoid  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |  | 1 2.0 |
| Lymph Node, Mandibular |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | M | + | + | + | + | 45 |  |       |

\* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade  
 + .. Tissue examined microscopically  
 X .. Lesion present  
 I .. Insufficient tissue  
 M .. Missing tissue  
 A .. Autolysis precludes evaluation  
 BLANK .. Not examined microscopically  
 1-4 .. Lesion qualified as:  
 1) Minimal 3) Moderate  
 2) Mild 4) Marked

Experiment Number: 20209 - 04

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Pentabromodiphenyl oxide (technical) (DE 71)

CAS Number: 32534-81-9

Date Report Requested: 09/10/2014

Time Report Requested: 08:48:43

First Dose M/F: 02/25/08 / 02/25/08

Lab: SRI

| B6C3F1 MICE FEMALE<br>100 MG/KG  | DAY ON TEST |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | * TOTALS |   |   |   |   |   |    |     |     |     |
|----------------------------------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----------|---|---|---|---|---|----|-----|-----|-----|
|                                  | 0           | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |          |   | 0 |   |   |   |    |     |     |     |
|                                  | 5           | 5 | 3 | 5 | 5 | 5 | 5 | 4 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 4 | 5 |          |   | 5 | 5 | 5 |   |    |     |     |     |
| ANIMAL ID                        | 4           | 4 | 6 | 4 | 4 | 4 | 1 | 5 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 3 | 2 | 4 | 9        | 3 | 4 | 4 | 4 | 4 |    |     |     |     |
|                                  | 2           | 2 | 6 | 2 | 2 | 2 | 5 | 9 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 5 | 4 | 2 | 4        | 6 | 5 | 2 | 2 | 2 |    |     |     |     |
|                                  | 0           | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0        | 0 | 0 | 0 | 0 | 0 | 0  |     |     |     |
|                                  | 0           | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0        | 0 | 0 | 0 | 0 | 0 | 0  |     |     |     |
|                                  | 3           | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3        | 3 | 3 | 3 | 3 | 3 | 4  |     |     |     |
|                                  | 7           | 7 | 7 | 7 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9        | 9 | 9 | 9 | 9 | 9 | 0  |     |     |     |
|                                  | 6           | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6        | 7 | 8 | 9 | 0 | 0 |    |     |     |     |
| Hematopoietic Cell Proliferation |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |          |   |   |   |   |   | 1  | 1.0 |     |     |
| Hemorrhage                       |             | 1 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |          |   |   |   |   |   |    | 1   | 1.0 |     |
| Pigmentation                     | 1           | 3 |   | 3 | 1 | 2 | 3 |   | 2 | 1 | 2 |   | 2 | 2 | 2 | 1 | 3 |   | 2 |   | 3        | 1 | 1 | 1 |   |   | 38 | 1.9 |     |     |
| Lymph Node, Mesenteric Atrophy   | +           | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | +        | + | + | + | + | + | 48 |     |     |     |
| Necrosis, Lymphoid Pigmentation  |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |          |   |   |   |   |   |    |     | 1   | 2.0 |
| Spleen                           | +           | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | +        | + | + | + | + | + | 48 |     |     |     |
| Hematopoietic Cell Proliferation |             |   |   | 2 |   | 2 | 2 | 2 |   | 2 |   | 2 | 1 |   | + | + | 2 | 3 | 4 |   | +        | + | 2 | 3 | 2 | 2 |    | 24  | 2.3 |     |
| Pigmentation                     | 1           | 1 |   | 1 | 1 | 1 | 1 |   | 1 | 1 | 2 |   |   | 1 | 1 |   | 1 | 2 |   | 2 |          | 2 | 1 |   | 1 | 2 |    | 31  | 1.4 |     |
| Lymphoid Follicle, Atrophy       |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |          |   |   |   |   |   |    | 1   | 1.0 |     |
| Lymphoid Follicle, Hyperplasia   | 1           | 1 |   |   |   |   |   |   | 1 |   | 2 | 2 | 4 |   |   |   |   | 2 |   |   | 2        |   | 2 |   |   | 2 |    | 21  | 1.6 |     |
| Thymus                           | +           | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | +        | A | + | + | + | + | 46 |     |     |     |
| Atrophy                          |             |   |   |   |   |   | 4 | 4 |   |   |   |   |   |   |   |   | 1 |   |   |   | 4        |   | 1 |   | 2 |   |    |     | 13  | 2.6 |
| Cyst                             |             |   |   |   |   |   | 2 |   |   |   |   |   |   |   |   |   |   |   |   |   |          |   |   |   |   |   |    | 2   | 2.0 |     |
| Hyperplasia, Lymphoid            |             |   |   |   |   | 1 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |          |   |   |   | 1 | 1 |    |     | 10  | 1.5 |
| <b>INTEGUMENTARY SYSTEM</b>      |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |          |   |   |   |   |   |    |     |     |     |
| Mammary Gland                    | +           | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | +        | + | + | + | + | + | +  | 50  |     |     |
| Galactocele                      | 2           |   |   | 2 | 2 | 2 | 2 |   | 2 | 2 | 1 |   |   |   |   |   |   | 2 |   | 2 |          | 2 | 2 | 2 | 1 |   |    | 31  | 1.6 |     |
| Inflammation, Chronic            |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |          |   |   |   |   |   |    |     | 1   | 2.0 |
| Inflammation, Chronic Active     |             |   |   | 2 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |          |   |   |   |   |   |    |     | 1   | 2.0 |
| Skin                             | +           | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | +        | + | + | + | + | + | +  | 50  |     |     |
| Inflammation, Chronic            |             |   |   |   |   |   |   |   | 1 |   |   |   |   |   |   |   | 1 |   |   |   |          |   |   |   |   |   | 1  |     | 8   | 1.1 |
| Inflammation, Chronic Active     |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |          |   |   |   |   |   |    |     | 2   | 1.5 |
| Mineralization                   |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |          |   |   |   |   |   |    |     | 1   | 2.0 |

\* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

X .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked



Experiment Number: 20209 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

**P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL**  
 Pentabromodiphenyl oxide (technical) (DE 71)  
 CAS Number: 32534-81-9

Date Report Requested: 09/10/2014  
 Time Report Requested: 08:48:43  
 First Dose M/F: 02/25/08 / 02/25/08  
 Lab: SRI

| B6C3F1 MICE FEMALE | DAY ON TEST | ANIMAL ID |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | * TOTALS |      |
|--------------------|-------------|-----------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|----------|------|
|                    |             | 0542      | 0542 | 0542 | 0542 | 0542 | 0542 | 0542 | 0542 | 0542 | 0542 | 0542 | 0542 | 0542 | 0542 | 0542 | 0542 | 0542 | 0542 | 0542 | 0542 |          | 0542 |
| 100 MG/KG          |             | 0         | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0        |      |
|                    |             | 0         | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0        |      |
|                    |             | 3         | 3    | 3    | 3    | 3    | 3    | 3    | 3    | 3    | 3    | 3    | 3    | 3    | 3    | 3    | 3    | 3    | 3    | 3    | 3    | 3        |      |
|                    |             | 7         | 7    | 7    | 7    | 8    | 8    | 8    | 8    | 8    | 8    | 8    | 8    | 8    | 9    | 9    | 9    | 9    | 9    | 9    | 9    | 9        |      |
|                    |             | 6         | 7    | 8    | 9    | 0    | 1    | 2    | 3    | 4    | 5    | 6    | 7    | 8    | 9    | 0    | 1    | 2    | 3    | 4    | 5    | 6        |      |

Necrosis, Fatty, Focal 2 1 2.0  
 Hair Follicle, Atrophy, Focal 1 2.0  
 Hair Follicle, Inflammation, Chronic Active 1 2.0

**MUSCULOSKELETAL SYSTEM**

|                      |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |        |
|----------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|--------|
| Bone                 | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |        |
| Fibro-Osseous Lesion | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 1 | 1 | 1 | 2 | 1 | 3 | 1 | 1  | 43 1.1 |
| Tail, Callus         |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    | 1 2.0  |
| Skeletal Muscle      |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    | 1      |

**NERVOUS SYSTEM**

|   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |       |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-------|
| Brain                                   | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49    |
| Developmental Malformation              |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1 2.0 |
| Hemorrhage                              |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1 1.0 |
| Infiltration Cellular, Mononuclear Cell |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1 1.0 |
| Peripheral Nerve                        |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1     |
| Spinal Cord                             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1     |

**RESPIRATORY SYSTEM**

|                                   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |       |
|-----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-------|
| Lung                              | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50    |
| Edema                             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1 3.0 |
| Hemorrhage                        |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 7 1.1 |
| Infiltration Cellular, Histiocyte |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1 1.0 |
| Inflammation, Granulomatous       |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1 3.0 |
| Metaplasia, Osseous               |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 2 1.0 |

\* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade  
 + .. Tissue examined microscopically  
 X .. Lesion present  
 I .. Insufficient tissue  
 M .. Missing tissue  
 A .. Autolysis precludes evaluation  
 BLANK .. Not examined microscopically  
 1-4 .. Lesion qualified as:  
 1) Minimal 3) Moderate  
 2) Mild 4) Marked

Experiment Number: 20209 - 04

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Pentabromodiphenyl oxide (technical) (DE 71)

CAS Number: 32534-81-9

Date Report Requested: 09/10/2014

Time Report Requested: 08:48:43

First Dose M/F: 02/25/08 / 02/25/08

Lab: SRI

| B6C3F1 MICE FEMALE<br>100 MG/KG             | DAY ON TEST           |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | * TOTALS              |       |        |
|---|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-------|--------|
|   | 0<br>5<br>4<br>2      | 0<br>5<br>4<br>2      | 0<br>3<br>6<br>2      | 0<br>5<br>4<br>2      | 0<br>5<br>4<br>2      | 0<br>5<br>4<br>2      | 0<br>5<br>4<br>2      | 0<br>5<br>4<br>2      | 0<br>5<br>4<br>2      | 0<br>5<br>4<br>2      | 0<br>5<br>4<br>2      | 0<br>5<br>4<br>2      | 0<br>5<br>4<br>2      | 0<br>5<br>4<br>2      | 0<br>5<br>4<br>2      | 0<br>5<br>4<br>2      | 0<br>5<br>4<br>2      | 0<br>5<br>4<br>2      | 0<br>5<br>4<br>2      | 0<br>5<br>4<br>2      |                       |       |        |
| ANIMAL ID                                   | 0<br>0<br>3<br>7<br>6 | 0<br>0<br>3<br>7<br>7 | 0<br>0<br>3<br>7<br>8 | 0<br>0<br>3<br>7<br>8 | 0<br>0<br>3<br>7<br>8 | 0<br>0<br>3<br>8<br>8 | 0<br>0<br>3<br>8<br>8 | 0<br>0<br>3<br>8<br>8 | 0<br>0<br>3<br>8<br>8 | 0<br>0<br>3<br>8<br>8 | 0<br>0<br>3<br>8<br>8 | 0<br>0<br>3<br>8<br>8 | 0<br>0<br>3<br>8<br>8 | 0<br>0<br>3<br>8<br>8 | 0<br>0<br>3<br>9<br>9 | 0<br>0<br>3<br>9<br>9 | 0<br>0<br>3<br>9<br>9 | 0<br>0<br>3<br>9<br>9 | 0<br>0<br>3<br>9<br>9 | 0<br>0<br>3<br>9<br>9 | 0<br>0<br>3<br>9<br>9 |       |        |
| Thrombosis                                  |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | 1 1.0 |        |
| Alveolus, Infiltration Cellular, Histiocyte |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |       | 1 1.0  |
| Nose  | +                     | +                     | A                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | I                     | +                     | +                     | +                     | +     | 48     |
| Foreign Body                                |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |       | 3 1.5  |
| Inflammation, Acute                         |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |       | 10 1.6 |
| Mineralization                              |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |       | 1 2.0  |
| Trachea                                     | +                     | +                     | A                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | M                     | +                     | M                     | +                     | +     | 47     |
| <b>SPECIAL SENSES SYSTEM</b>                |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |       |        |
| Eye   | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | M                     | +                     | A                     | +                     | +     | 48     |
| Harderian Gland                             | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | M                     | +                     | +                     | +                     | +     | 49     |
| Hyperplasia                                 |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |       | 1 1.0  |
| <b>URINARY SYSTEM</b>                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |       |        |
| Kidney                                      | +                     | +                     | A                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | A                     | +                     | +                     | +                     | +     | 48     |
| Infarct                                     |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |       | 1 2.0  |
| Infiltration Cellular, Mononuclear Cell     | 1                     | 1                     |                       | 1                     | 2                     | 1                     | 1                     | 1                     | 1                     | 1                     | 1                     | 1                     | 1                     | 1                     | 1                     | 1                     | 1                     |                       | 1                     |                       | 1                     | 1     | 45 1.0 |
| Metaplasia, Osseous                         |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |       | 1 1.0  |
| Mineralization                              |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |       | 1 1.0  |
| Nephropathy                                 |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |       | 3 1.0  |
| Interstitial, Inflammation, Chronic         |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |       | 2 1.0  |
| Pelvis, Inflammation, Chronic               |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |       | 1 1.0  |
| Renal Tubule, Accumulation, Hyaline Droplet |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |       | 1 2.0  |
| Renal Tubule, Cyst                          |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |       | 1      |
| Renal Tubule, Dilatation                    | 1                     | 1                     |                       | 1                     | 1                     |                       | 1                     | 1                     | 2                     | 2                     | 2                     |                       | 1                     | 1                     | 1                     |                       | 1                     | 2                     | 1                     | 1                     | 1                     | 1     | 43 1.1 |

\* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

X .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

Experiment Number: 20209 - 04

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: MICE/B6C3F1

**P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL**

Pentabromodiphenyl oxide (technical) (DE 71)

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

Date Report Requested: 09/10/2014

Time Report Requested: 08:48:43

First Dose M/F: 02/25/08 / 02/25/08

Lab: SRI

|                           |             |                 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |           |   |  |
|---------------------------|-------------|-----------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------|---|--|
| <b>B6C3F1 MICE FEMALE</b> | DAY ON TEST | 0               | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |   |           |   |  |
|                           |             | 5               | 5 | 3 | 5 | 5 | 5 | 5 | 4 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 4 | 5 | 5 | 5 |           |   |  |
|                           |             | 4               | 4 | 6 | 4 | 4 | 4 | 1 | 5 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 3 | 2 | 4 | 9 | 3 | 4 | 4 |           |   |  |
|                           |             | 2               | 2 | 6 | 2 | 2 | 2 | 5 | 9 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 5 | 4 | 2 | 6 | 5 | 2 | 2 |           |   |  |
| <b>100 MG/KG</b>          | ANIMAL ID   | 0               | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |   |           |   |  |
|                           |             | 0               | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |           |   |  |
|                           |             | 3               | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 4 |           |   |  |
|                           |             | 7               | 7 | 7 | 7 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 0         |   |  |
|                           |             | 6               | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9         | 0 |  |
|                           |             | <b>* TOTALS</b> |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |           |   |  |
| Urinary Bladder           |             | +               | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | +         |   |  |
|                           |             |                 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | <b>48</b> |   |  |

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

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