

**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

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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	males (cont...)	
		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
<b>0 MG/KG</b>	ANIMAL ID	4	9	9	1	9	9	0	9	8	0	9	0	2	0	0	4	8	6	0	4	6	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

### 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																									
Clear Cell Focus								X							X		X								
Depletion Glycogen																								2	
Eosinophilic Focus						X											X				X				
Eosinophilic Focus, Multiple																									
Fatty Change		2						2	2	2			2			2	3				1				
Hematopoietic Cell Proliferation		1								1				1							3			1	
Hemorrhage																		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

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				
	6	7	7	7	7	7	7	6	2	7	5	6	5	6	7	4	5	6	7	5	6		7	7	0
ANIMAL ID	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	0	4	8	6	0	4	6	0	0	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	0	0	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	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																									

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

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

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										2													
Inflammation, Chronic Active																							
Necrosis																							

### CARDIOVASCULAR SYSTEM

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

### ENDOCRINE SYSTEM

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

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Lab: SRI

B6C3F1 MICE MALE 0 MG/KG	DAY ON TEST	0684	0729	0771	0773	0777	0779	0660	0229	0778	0553	0666	0556	0678	0499	0558	0660	0774	0556	0672	0773	0770	0703	0700	0707
	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
Hypertrophy, Focal		2					1		1			2	1						1						
Hypertrophy, Diffuse																				1					
Vacuolization		2	2	1	2	2	2	2	1	1	1	2	1	1	2	1	1		2				1		1
Capsule, Hyperplasia																									
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																1									
Follicle, Degeneration		1			2				1			1	1		2	1	1		1		2				
Follicle, Hypertrophy		1		1	1	1	1	1											1		1				

males  
(cont...)

**GENERAL BODY SYSTEM**

Tissue NOS +

**GENITAL SYSTEM**

Coagulating Gland  
Cyst

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B6C3F1 MICE MALE	DAY ON TEST																									males (cont...)
	0684	0729	0779	0773	0777	0777	0777	0766	0722	0777	0755	0766	0755	0766	0777	0744	0755	0766	0777	0755	0766	0777	0700	0777		
0 MG/KG	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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<b>B6C3F1 MICE MALE</b>	DAY ON TEST	0684	0729	0771	0773	0779	0779	0779	0620	0728	0753	0656	0556	0667	0448	0545	0667	0745	0566	0775	0777	0700	0607	<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

### HEMATOPOIETIC SYSTEM

Bone Marrow  
Myeloid Cell, Hyperplasia

+ +

Lymph Node  
Hyperplasia, Lymphoid  
Pigmentation

Lymph Node, Mandibular  
Atrophy  
Hemorrhage  
Hyperplasia, Plasma Cell  
Infiltration Cellular, Polymorphonuclear  
Necrosis, Lymphoid  
Pigmentation

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

Lymph Node, Mesenteric  
Congestion  
Ectasia  
Hematopoietic Cell Proliferation  
Hemorrhage  
Hyperplasia, Lymphoid  
Infiltration Cellular, Polymorphonuclear  
Pigmentation

+  
  
3  
2  
2  
1  
1

Spleen  
Atrophy  
Hematopoietic Cell Proliferation  
Pigmentation

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

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| B6C3F1 MICE MALE<br>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 | ANIMAL ID | males<br>(cont...) |   |
|-----------------------------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------|--------------------|---|
|                             |             |   | 6 | 7 | 7 | 7 | 7 | 7 | 6 | 2 | 7 | 5 | 6 | 5 | 6 | 7 | 4 | 5 | 6 | 7 | 5 | 6 | 7 |           |                    | 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 | 6 | 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 | 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 |

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

**NERVOUS SYSTEM**

|                                 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|---------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Brain                           | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |   |
| Hemorrhage                      |   |   |   | 1 |   |   |   |   |   |   |   |   | 1 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Meninges, Inflammation, Chronic |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Peripheral Nerve                |   |   |   |   |   |   |   |   |   |   |   |   | + |   |   |   |   |   |   |   |   |   |   |   |   |   | + |
| Degeneration                    |   |   |   |   |   |   |   |   |   |   |   |   | 3 |   |   |   |   |   |   |   |   |   |   |   |   |   | 3 |
| Hemorrhage                      |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 2 |
| Spinal Cord                     |   |   |   |   |   |   |   |   |   |   |   |   | + |   |   |   |   |   |   |   |   |   |   |   |   |   |   |

**RESPIRATORY SYSTEM**

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

\* .. 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 MALE | DAY ON TEST | 0 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 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 MG/KG          | 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 | 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 | 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 |   |  |   |  |

Fungus  
 Inflammation, Acute 1 3 1  
 Mineralization  
 Glands, Fibrosis

Trachea + + + + + + + + + + M + + + + M + + + + + + + + + +

**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  
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Experiment Number: 20209 - 04

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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 |   |   |
|------------------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
|                  |             | 6 | 7 | 7 | 7 | 7 | 7 | 6 | 2 | 7 | 5 | 6 | 5 | 6 | 7 | 4 | 5 | 6 | 7 | 5 | 6 | 7 | 7 | 0 | 7 |   |
| 0 MG/KG          | ANIMAL ID   | 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 | 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 |

males  
(cont...)

Inflammation, Chronic  
Necrosis

1 4

Zymbal's Gland

+

URINARY SYSTEM

|   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Kidney                                  | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Congestion                              |   |   |   |   |   |   |   |   |   |   |   | 3 |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Infarct                                 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Infarct, Multiple                       |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 3 |
| Infiltration Cellular, Mononuclear Cell | 1 | 1 | 1 | 1 |   | 1 | 1 | 1 |   | 1 | 2 |   |   |   | 1 | 1 | 1 | 1 | 1 |   | 1 | 1 | 1 |   | 1 |
| Inflammation, Acute                     |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 2 |   |   |   |   |   |
| Metaplasia, Osseous                     |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Mineralization                          | 1 | 1 | 1 | 1 |   | 1 | 1 | 1 |   | 1 | 1 | 2 |   | 1 | 1 |   | 1 | 1 | 1 |   |   | 1 | 1 |   | 1 |
| Nephropathy                             | 2 | 2 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 4 |   | 1 | 1 | 1 | 2 | 1 |   | 2 |   | 4 | 1 |   |   | 1 |
| Artery, Perirenal Tissue, Inflammation  |   |   |   |   | 2 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Interstitium, Inflammation              |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Interstitium, Inflammation, Chronic     |   |   | 1 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Papilla, Inflammation, Acute            |   |   |   |   |   |   |   |   |   |   |   |   | 1 |   |   |   |   |   |   |   |   |   |   |   |   |
| Papilla, Necrosis                       |   |   |   |   |   |   |   |   |   |   |   |   | 1 |   |   |   |   |   |   |   |   |   |   |   | 2 |
| Pelvis, Inflammation, Acute             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Pelvis, Inflammation, Chronic           |   |   |   |   |   |   |   |   |   |   |   |   |   | 2 |   |   |   |   |   |   |   |   |   |   |   |
| Renal Tubule, Cyst                      |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Renal Tubule, Cyst, Multiple            |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Renal Tubule, Degeneration              |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 2 |   |   |   |
| Renal Tubule, Dilatation                | 1 | 1 |   | 2 |   | 1 |   | 1 |   |   |   |   |   |   | 1 |   |   |   |   |   |   |   | 1 | 1 |   |
| Renal Tubule, Pigmentation              |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Transitional Epithelium, Hyperplasia    |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 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

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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 | 0721 | 0729 | 0779 | 0770 | 0623 | 0278 | 0539 | 0608 | 0509 | 0650 | 0780 | 0439 | 0598 | 0666 | 0704 | 0568 | 0726 | 0730 | 0003 | 0703 | 0073 | <b>males<br/>(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 |                            |

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

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| B6C3F1 MICE MALE<br>0 MG/KG             | DAY ON TEST |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       | * TOTALS |       |       |       |
|---|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------|-------|-------|-------|
|   | 0729        | 0729  | 0730  | 0731  | 0732  | 0733  | 0734  | 0735  | 0736  | 0737  | 0738  | 0739  | 0740  | 0741  | 0742  | 0743  | 0744  | 0745  | 0746  | 0747  |          | 0748  | 0749  |       |
| ANIMAL ID                               | 00026       | 00027 | 00028 | 00029 | 00030 | 00031 | 00032 | 00033 | 00034 | 00035 | 00036 | 00037 | 00038 | 00039 | 00040 | 00041 | 00042 | 00043 | 00044 | 00045 | 00046    | 00047 | 00048 | 00049 |
| Inflammation, Chronic                   | 1           | 1     |       |       |       | 2     |       |       |       |       |       |       |       |       |       | 1     |       |       |       |       | 2        |       |       |       |
| Mineralization                          |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |          |       |       |       |
| Mixed Cell Focus                        |             |       |       |       |       |       |       |       |       |       | X     |       |       |       |       |       |       |       |       |       | X        |       |       |       |
| Necrosis, Focal                         |             |       |       |       |       |       |       |       |       |       |       |       |       |       | 4     |       |       |       |       |       |          |       |       |       |
| Tension Lipidosis                       |             |       |       |       |       |       |       |       |       |       | 1     |       |       |       |       |       |       |       |       |       |          |       |       |       |
| Bile Duct, Cyst                         | X           |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |          |       |       |       |
| Kupffer Cell, Pigmentation              |             | 1     |       |       |       |       |       |       |       |       |       | 1     |       |       |       | 1     |       |       |       |       | 1        |       |       |       |
| Mesentery                               |             |       |       |       |       |       | +     |       |       |       |       |       |       |       |       | +     | +     |       |       | +     |          | +     |       |       |
| Hemorrhage                              |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |          |       |       |       |
| Inflammation, Chronic                   |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |          |       |       |       |
| Artery, Thrombosis                      |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |          |       |       |       |
| Fat, Necrosis                           |             |       |       |       |       |       | 2     |       |       |       |       |       |       |       |       | 2     |       |       |       |       | 2        |       | 2     |       |
| Pancreas                                | +           | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +        | +     | +     | 50    |
| Atrophy                                 |             |       | 1     |       |       |       | 1     |       |       |       | 2     |       |       |       |       |       |       |       |       |       | 1        |       | 2     | 1     |
| Cyst                                    |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |          |       |       |       |
| Hypertrophy, Focal                      |             |       |       |       |       |       | 2     |       |       |       |       |       |       |       |       |       |       |       |       |       |          |       |       |       |
| Inflammation, Chronic                   |             |       |       | 1     | 1     |       | 1     |       |       |       |       |       |       |       |       |       |       |       |       |       | 1        |       | 1     |       |
| Inflammation, Chronic Active            |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |          |       |       |       |
| Salivary Glands                         | +           | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +        | +     | +     | 50    |
| Atrophy                                 |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |          |       |       |       |
| Cyst                                    |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |          |       |       |       |
| Infiltration Cellular, Mononuclear Cell | 1           | 1     |       | 1     | 1     |       | 2     |       |       |       |       | 1     | 1     |       |       | 1     | 1     | 1     | 1     | 1     | 1        | 1     | 1     |       |
| Inflammation, Granulomatous             |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |          |       |       |       |
| Stomach, Forestomach                    | +           | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +        | +     | +     | 50    |
| Erosion                                 |             |       | 3     |       |       |       |       |       |       | 2     |       | 2     |       |       |       |       |       |       |       |       |          |       | 3     |       |
| Fibrosis                                |             |       |       |       |       |       |       |       |       | 2     |       |       |       |       |       | 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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|------------------|-------------|---|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|----------|---------|---------|---------|---------|
|                  |             | 0 7 2 9                                     | 0 7 2 9 | 0 7 3 0 | 0 7 3 1 | 0 5 2 1 | 0 7 2 9 | 0 7 3 0 | 0 6 6 0 | 0 7 2 1 | 0 7 3 1 | 0 6 3 0 | 0 7 3 0 | 0 5 6 8 | 0 7 3 0 | 0 4 9 1 | 0 5 9 8 | 0 7 3 1 | 0 7 3 1 | 0 2 2 9 | 0 7 8 9 |          | 0 7 3 0 | 0 7 3 0 | 0 7 3 0 | 0 7 3 0 |
| 0 MG/KG          | ANIMAL ID   | 0 |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |          |         |         |         |         |
|                  |             | 0 0 2 6                                     | 0 0 2 7 | 0 0 2 8 | 0 0 2 9 | 0 0 3 0 | 0 0 3 1 | 0 0 3 2 | 0 0 3 3 | 0 0 3 4 | 0 0 3 5 | 0 0 3 6 | 0 0 3 7 | 0 0 3 8 | 0 0 3 9 | 0 0 4 0 | 0 0 4 1 | 0 0 4 2 | 0 0 4 3 | 0 0 4 4 | 0 0 4 5 | 0 0 4 6  | 0 0 4 7 | 0 0 4 8 | 0 0 4 9 | 0 0 5 0 |

|                         |  |  |   |   |   |   |  |   |   |   |   |  |   |   |  |   |  |  |   |   |   |  |   |  |  |   |    |     |     |     |
|-------------------------|--|--|---|---|---|---|--|---|---|---|---|--|---|---|--|---|--|--|---|---|---|--|---|--|--|---|----|-----|-----|-----|
| Inflammation            |  |  | 1 | 2 | 1 | 1 |  | 3 | 1 | 2 | 1 |  | 3 | 2 |  |   |  |  | 2 |   | 2 |  |   |  |  |   |    |     | 18  | 1.7 |
| Mineralization          |  |  |   |   |   |   |  |   |   |   |   |  |   |   |  |   |  |  |   |   |   |  |   |  |  |   |    | 1   | 1.0 |     |
| Necrosis                |  |  |   |   |   |   |  |   |   |   |   |  |   |   |  |   |  |  |   |   |   |  |   |  |  |   |    | 1   | 2.0 |     |
| Ulcer                   |  |  |   | 2 |   |   |  | 4 | 2 |   |   |  | 4 | 2 |  |   |  |  |   |   | 2 |  |   |  |  |   |    | 9   | 2.3 |     |
| Epithelium, Hyperplasia |  |  | 2 | 2 | 2 | 1 |  | 2 | 3 | 2 | 1 |  | 2 | 2 |  | 2 |  |  | 2 | 1 | 4 |  | 2 |  |  | 3 | 26 | 2.1 |     |     |

|                     |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |     |     |  |
|---------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----|-----|--|
| Stomach, Glandular  | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | +   | 50  |  |
| Inflammation        |   |   |   |   |   |   |   | 1 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1   | 1.0 |  |
| Inflammation, Acute |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1 |   |   |   |   |   | 1 | 1.0 |     |  |
| Mineralization      |   |   | 1 |   |   |   |   |   |   | 3 |   |   |   |   |   | 3 |   |   |   | 1 |   |   |   |   |   |   | 4 | 2.0 |     |  |
| Ulcer               |   |   |   |   |   |   |   | 2 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1 | 2.0 |     |  |

|                              |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |     |
|------------------------------|---|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|---|-----|
| Tooth                        | + |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 2 |     |
| Inflammation, Acute          |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1 | 2.0 |
| Inflammation, Chronic Active |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1 | 3.0 |
| Necrosis                     |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1 | 2.0 |

CARDIOVASCULAR SYSTEM

|                                      |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |     |
|--------------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|-----|
| Blood Vessel                         | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |     |
| Heart                                | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |     |
| Cardiomyopathy                       |   | 1 | 1 |   |   |   |   |   |   |   |   |   |   |   | 1 |   |   |   |   |   |   |   |   |   |   |   |   | 8  | 1.0 |
| Mineralization                       |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1  | 2.0 |
| Artery, Inflammation, Chronic Active |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1  | 2.0 |

ENDOCRINE SYSTEM

|                                   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |     |     |
|-----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|-----|-----|
| Adrenal Cortex                    | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |     |     |
| Accessory Adrenal Cortical Nodule |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    | 2   | 1.5 |
| Degeneration, Fatty               |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 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  
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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>0 MG/KG | DAY ON TEST |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       | * TOTALS |       |       |       |       |       |      |
|-----------------------------|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------|-------|-------|-------|-------|-------|------|
|                             | 0729        | 0729  | 0730  | 0731  | 0751  | 0771  | 0771  | 0766  | 0777  | 0776  | 0767  | 0755  | 0777  | 0744  | 0755  | 0777  | 0777  | 0722  | 0722  | 0758  |          | 0773  | 0773  | 0733  | 0732  | 0772  | 0772 |
| 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   |
| Hypertrophy, Diffuse        |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |          |       |       |       |       |       | 1    |
| Vacuolization Cytoplasmic   |             |       |       | 1     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |          |       |       |       |       |       | 1    |
| 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    |      |
| 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    |      |
| Parathyroid Gland           | +           | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +        | +     | +     | +     | +     | 48    |      |
| Cyst                        |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       | 2     |       |       |       |          |       | 2     |       |       | 3     |      |
| Pituitary Gland             | +           | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +        | +     | +     | +     | +     | 47    |      |
| Pars Distalis, Angiectasis  |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |          |       |       |       |       | 1     |      |
| Pars Distalis, Cyst         |             |       |       | 2     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |          |       |       |       |       | 2     |      |
| Thyroid Gland               | +           | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +        | +     | +     | +     | +     | 50    |      |
| Mineralization              |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |          |       |       |       |       | 1     |      |
| Follicle, Degeneration      |             |       | 4     | 3     |       | 1     |       |       |       | 1     |       | 2     | 1     | 2     |       | 1     |       |       |       |       | 2        |       |       | 2     | 1     | 21    |      |
| Follicle, Hypertrophy       | 1           |       | 1     | 1     |       | 1     |       |       |       | 2     |       | 1     | 1     | 1     |       | 1     | 2     | 2     | 1     | 1     | 2        | 1     |       | 1     | 25    |       |      |
| <b>GENERAL BODY SYSTEM</b>  |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |          |       |       |       |       |       |      |
| Tissue NOS                  |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |          |       |       |       |       | 2     |      |
| <b>GENITAL SYSTEM</b>       |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |          |       |       |       |       |       |      |
| Coagulating Gland           |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |          |       |       |       |       | 1     |      |
| Cyst                        |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |          |       |       |       |       | 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  
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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 MALE<br>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 | 00000 | 00000 | 00000 | 00000 | 00000 | 00000 | 00000 | 00000 | 00000 | 00000 | 00000 | 00000 | 00000 | 00000 | 00000 | 00000    | 00000 | 00000 | 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     |       | 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     |       | 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     | 2      | 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     | 1      | 11 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

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

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| B6C3F1 MICE MALE |  | DAY ON TEST |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | * TOTALS |   |
|------------------|--|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----------|---|
| 0 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 |
| 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 | 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           | 9 | 0 | 1 | 1 | 9 | 0 | 0 | 1 | 1 | 0 | 0 | 8 | 0 | 1 | 8 | 1 | 1 | 9 | 9 | 9 | 0 | 1 | 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 | 0 | 0 | 0 | 0        |   |
|                  |  | 0           | 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 | 4 | 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 | 0        |   |

**HEMATOPOIETIC SYSTEM**

|  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |    |     |     |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|----|-----|-----|
| Bone Marrow                              | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |    |     |     |
| Myeloid Cell, Hyperplasia                |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1 |   |   |   |   |   |   |   |   |   |   |   |    |    | 2   | 1.5 |
| Lymph Node                               |   |   | + |   |   |   |   |   |   | + |   | + |   |   |   |   |   |   |   | + |   |   |   |   |   |   |    | 5  |     |     |
| Hyperplasia, Lymphoid                    |   |   |   |   |   |   |   |   |   | 2 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |    | 1   | 2.0 |
| Pigmentation                             |   |   |   |   |   |   |   |   |   | 2 |   |   |   |   |   |   |   |   |   |   | 3 |   |   |   |   |   |    |    | 2   | 2.5 |
| Lymph Node, Mandibular                   | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |    |     |     |
| Atrophy                                  |   |   |   |   |   |   |   |   | 2 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |    | 1   | 2.0 |
| Hemorrhage                               |   |   |   |   |   |   |   |   |   |   |   |   | 1 |   |   |   |   |   |   |   |   |   |   |   |   |   |    |    | 2   | 1.5 |
| Hyperplasia, Plasma Cell                 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |    | 1   | 2.0 |
| Infiltration Cellular, Polymorphonuclear |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |    | 1   | 2.0 |
| Necrosis, Lymphoid                       |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |    | 1   | 2.0 |
| Pigmentation                             | 1 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 |   | 2 | 3 | 1 | 2 | 1 | 2 | 1 | 1 | 2 | 2 |   |    | 45 | 1.5 |     |
| Lymph Node, Mesenteric                   | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 |    |     |     |
| Congestion                               |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 4 |   |    | 1  | 4.0 |     |
| Ectasia                                  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    | 1  | 3.0 |     |
| Hematopoietic Cell Proliferation         |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    | 1  | 2.0 |     |
| Hemorrhage                               |   |   |   |   |   | 2 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    | 3  | 2.7 |     |
| Hyperplasia, Lymphoid                    |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 3 |   |   |   |   |   |    | 1  | 3.0 |     |
| Infiltration Cellular, Polymorphonuclear |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    | 1  | 2.0 |     |
| Pigmentation                             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    | 1  | 1.0 |     |
| Spleen                                   | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |    |     |     |
| Atrophy                                  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    | 1  | 3.0 |     |
| Hematopoietic Cell Proliferation         |   |   |   |   |   | 2 |   |   |   |   |   |   |   |   |   | 3 | 2 |   |   |   |   |   |   |   | 1 | 3 | 3  |    | 14  | 2.1 |
| Pigmentation                             |   |   |   |   | 1 | 1 |   |   |   | 2 | 2 |   |   | 1 |   |   |   |   |   |   | 2 |   |   |   | 3 |   |    |    | 13  | 1.8 |

\* .. 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><br>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 | * TOTALS |
|---------------------------------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----------|
|                                 | ANIMAL ID   | 7 | 7 | 7 | 7 | 5 | 7 | 7 | 6 | 7 | 7 | 6 | 7 | 5 | 7 | 4 | 5 | 7 | 7 | 2 | 7 | 5 | 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 | 9 | 0 | 1 | 1 | 9 | 0 | 0 | 1 | 1 | 0 | 0 | 8 | 0 | 1 | 8 | 1 | 1 | 9 | 9 | 9 | 0 | 1 | 0 | 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 |          |
|                                 |             | 2 | 2 | 2 | 2 | 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 |          |

|                                |   |  |  |  |  |   |   |  |  |   |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |  |   |    |     |     |
|--------------------------------|---|--|--|--|--|---|---|--|--|---|--|--|--|---|--|--|--|--|--|---|--|--|--|--|--|--|---|----|-----|-----|
| Lymphoid Follicle, Atrophy     |   |  |  |  |  |   |   |  |  |   |  |  |  |   |  |  |  |  |  |   |  |  |  |  |  |  |   | 2  | 1   | 2.0 |
| Lymphoid Follicle, Hyperplasia | 1 |  |  |  |  | 1 | 4 |  |  | 2 |  |  |  | 2 |  |  |  |  |  | 2 |  |  |  |  |  |  | 1 | 11 | 1.8 |     |

|                       |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |     |     |
|-----------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|-----|-----|
| Thymus                | + | + | + | + | + | M | + | M | + | + | + | + | M | + | A | I | I | + | + | + | + | + | + | + | + | + | + | 40 |     |     |
| Atrophy               | 1 | 1 | 2 | 1 | 4 |   |   |   | 4 |   |   | 2 | 2 |   | 2 |   |   |   |   |   |   |   |   |   |   |   |   |    | 26  | 2.2 |
| Cyst                  | 2 |   | 2 |   |   |   |   |   |   |   | 2 |   |   |   |   |   |   |   |   | 2 | 2 | 2 | 2 |   |   | 2 |   | 14 | 2.0 |     |
| Hyperplasia, Lymphoid |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    | 1   | 1.0 |

### 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 | 2  |   |     |
| Skin                                       | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |   |     |
| Hyperkeratosis                             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    | 1 | 4.0 |
| Inflammation, Acute                        |   |   | 1 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    | 2 | 1.5 |
| Inflammation, Chronic                      |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    | 2 | 2.0 |
| Inflammation, Chronic Active               |   |   |   |   |   |   |   | 1 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    | 1 | 1.0 |
| Ulcer                                      |   |   |   |   | 4 |   |   |   |   | 4 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    | 2 | 4.0 |
| Epidermis, Hyperplasia                     |   |   |   |   | 2 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    | 1 | 2.0 |
| Lip, Inflammation, Acute                   |   |   |   |   |   | 1 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    | 2 | 1.0 |
| Subcutaneous Tissue, Inflammation, Chronic |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    | 1 | 1.0 |
| Subcutaneous Tissue, Necrosis              |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    | 1 | 2.0 |

### MUSCULOSKELETAL SYSTEM

|                                  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |   |     |
|----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|---|-----|
| Bone                             | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 |   |     |
| Fibro-Osseous Lesion             |   |   |   |   |   |   |   | 1 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    | 2 | 1.0 |
| Tail, Developmental Malformation |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1  |   |     |
| Vertebra, Callus                 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    | 2 | 2.5 |
| Skeletal Muscle                  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    | 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  
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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>0 MG/KG     | DAY ON TEST |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       | * TOTALS |
|---------------------------------|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------|
|                                 | 0729        | 0729  | 0730  | 0731  | 0732  | 0733  | 0734  | 0735  | 0736  | 0737  | 0738  | 0739  | 0740  | 0741  | 0742  | 0743  | 0744  | 0745  | 0746  | 0747  |          |
| ANIMAL ID                       | 00026       | 00007 | 00008 | 00009 | 00010 | 00011 | 00012 | 00013 | 00014 | 00015 | 00016 | 00017 | 00018 | 00019 | 00020 | 00021 | 00022 | 00023 | 00024 | 00025 |          |
| Fungus                          |             |       |       |       |       |       |       |       |       |       |       |       |       |       | X     |       |       |       |       |       | 1        |
| Inflammation, Acute             | 1           |       | 1     |       |       |       |       |       |       |       |       |       |       |       | 2     |       | 1     |       | 3     |       | 9 1.6    |
| Mineralization Glands, Fibrosis |             |       |       |       |       |       |       |       |       |       | 1     |       |       |       |       | 1     |       |       |       |       | 2 1.0    |
| Trachea                         | +           | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | M     | 47       |

SPECIAL SENSES SYSTEM

|  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |       |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-------|
| Eye  | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | 49    |
| Atrophy  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1 4.0 |
| Anterior Chamber, Edema                                    |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1 2.0 |
| Anterior Chamber, Infiltration Cellular, Polymorphonuclear |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1 2.0 |
| Anterior Chamber, Necrosis                                 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1 2.0 |
| Cornea, Fibrosis   |   |   | 2 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1 2.0 |
| Cornea, Inflammation                                       |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1 2.0 |
| Cornea, Inflammation, Acute                                |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 2 |   |   |   |   | 1 2.0 |
| Cornea, Inflammation, Chronic Active                       |   |   | 1 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1 1.0 |
| Cornea, Necrosis   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1 2.0 |
| Cornea, Epithelium, Hyperplasia                            |   |   | 1 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1 1.0 |
| Nerve, Degeneration  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1 2.0 |
| Nerve, Inflammation, Acute                                 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1 1.0 |
| Harderian Gland  | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50    |
| Atrophy  |   | 4 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1 4.0 |
| Fibrosis   |   | 4 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1 4.0 |
| Hemorrhage   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1 2.0 |
| Hyperplasia  |   | 2 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1 2.0 |
| Hyperplasia, Focal   |   |   |   |   |   |   |   |   |   |   |   |   | 1 |   |   |   |   |   |   |   |   |   | 1 1.0 |
| Inflammation, Acute  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 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  
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First Dose M/F: 02/25/08 / 02/25/08  
Lab: SRI

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

Inflammation, Chronic 1 1.0  
Necrosis 1 4.0

Zymbal's Gland 1

**URINARY SYSTEM**

|   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |        |        |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--------|--------|
| Kidney                                  | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50     | 1 3.0  |
| Congestion                              |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |        | 2 2.0  |
| Infarct                                 |   |   |   |   | 1 |   | 3 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |        | 1 3.0  |
| Infarct, Multiple                       |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |        | 35 1.1 |
| Infiltration Cellular, Mononuclear Cell | 1 | 1 |   | 1 | 1 | 1 |   |   | 2 | 1 |   | 2 | 1 | 1 | 1 |   | 1 | 1 |   | 1 |   |   |   |   | 1 | 2 | 1 2.0  |        |
| Inflammation, Acute                     |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |        | 2 1.0  |
| Metaplasia, Osseous                     |   |   |   |   |   | 1 |   |   |   |   | 1 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |        | 36 1.1 |
| Mineralization                          | 1 | 1 | 1 |   | 1 | 1 | 1 | 1 | 1 | 2 |   |   |   | 1 | 1 | 1 |   | 2 | 1 |   | 1 | 1 |   |   | 1 |   | 38 1.5 |        |
| Nephropathy                             | 1 | 1 | 1 | 3 | 1 | 1 | 1 |   | 4 | 1 |   |   | 1 | 2 |   |   |   | 2 | 1 | 2 |   | 1 | 1 | 1 | 1 |   | 1 2.0  |        |
| Artery, Perirenal Tissue, Inflammation  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |        | 1 3.0  |
| Interstitial, Inflammation              |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 3 |   |   |   |   |   |   |   |        | 2 2.5  |
| Interstitial, Inflammation, Chronic     |   |   |   |   |   |   |   |   |   |   |   |   | 4 |   |   |   |   |   |   |   |   |   |   |   |   |   |        | 1 1.0  |
| Papilla, Inflammation, Acute            |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |        | 4 1.3  |
| Papilla, Necrosis                       | 1 |   |   |   |   |   |   |   |   |   |   | 1 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |        | 1 2.0  |
| Pelvis, Inflammation, Acute             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |        | 1 2.0  |
| Pelvis, Inflammation, Chronic           |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |        | 1      |
| Renal Tubule, Cyst                      |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |        | 1      |
| Renal Tubule, Cyst, Multiple            |   |   |   |   |   |   |   |   |   |   | X |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |        | 1      |
| Renal Tubule, Degeneration              |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |        | 3 2.3  |
| Renal Tubule, Dilatation                |   |   |   | 1 |   |   |   |   |   |   | 1 |   |   | 1 | 1 |   |   |   |   |   | 1 |   |   |   | 1 |   |        | 14 1.1 |
| Renal Tubule, Pigmentation              |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |        | 1 4.0  |
| Transitional Epithelium, Hyperplasia    |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |        | 1 1.0  |

Urinary Bladder 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

|                         |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |                 |  |
|-------------------------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------------|--|
| <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 |                 |  |
|                         |             | 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 | 2               |  |
| <b>0 MG/KG</b>          | ANIMAL ID   | 9 | 9 | 0 | 1 | 1 | 9 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 1 | 8 | 1 | 1 | 9 | 9 | 9 | 0 | 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 |                 |  |
|                         |             | 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 | <b>* TOTALS</b> |  |

Hemorrhage  
Inflammation, Acute  
Necrosis

2  
  
1

**2 2.0**  
**2 1.5**  
**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

|                         |                |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |                            |
|-------------------------|----------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|----------------------------|
| <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>3 MG/KG</b> | 0005 | 0005 | 0005 | 0005 | 0005 | 0005 | 0005 | 0005 | 0005 | 0005 | 0005 | 0005 | 0005 | 0005 | 0005 | 0005 | 0005 | 0005 | 0005 | 0005 | 0005 | 0005 | 0005 |                            |
|                         | ANIMAL ID      | 1    | 2    | 3    | 4    | 5    | 6    | 7    | 8    | 9    | 0    | 1    | 2    | 3    | 4    | 5    | 6    | 6    | 6    | 6    | 6    | 6    | 6    | 6    | <b>males<br/>(cont...)</b> |

**ALIMENTARY SYSTEM**

|  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Esophagus<br>Inflammation, Chronic<br>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<br>Serosa, Fibrosis                    | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | A | A | + | + | + |
| Intestine Small, Duodenum                                      | + | + | + | + | + | + | A | + | + | + | + | A | + | + | + | + | + | + | + | + | A | A | + | + | + |
| Intestine Small, Ileum   | + | + | + | + | + | + | A | + | M | + | + | A | + | + | + | M | + | + | + | + | A | A | + | + | + |
| Intestine Small, Jejunum<br>Peyer's Patch, Hyperplasia         | + | + | + | + | + | + | A | + | + | + | + | A | + | + | + | + | + | + | + | + | A | A | + | I | + |
| Liver  | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Basophilic Focus   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | X |
| Basophilic Focus, Multiple                                     |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Clear Cell Focus   |   |   |   |   |   |   |   | X |   |   |   |   |   |   |   | X |   |   |   | X |   |   |   |   |   |
| Clear Cell Focus, Multiple                                     |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Congestion   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Depletion Glycogen   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Eosinophilic Focus   |   |   |   |   |   |   |   |   |   |   |   | X |   | X |   | X |   |   |   |   | X |   |   | X |   |
| Eosinophilic Focus, Multiple                                   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |

\* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade  
+ .. Tissue examined microscopically  
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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<br>3 MG/KG             | DAY ON TEST |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | ANIMAL ID | males<br>(cont...) |      |      |      |
|---|-------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-----------|--------------------|------|------|------|
|   | 0730        | 0733 | 0733 | 0733 | 0732 | 0755 | 0756 | 0777 | 0777 | 0766 | 0777 | 0766 | 0777 | 0777 | 0777 | 0777 | 0777 | 0766 | 0777 | 0755 |           |                    | 0755 | 0777 | 0777 |
| Fatty Change                            | 2           |      |      | 1    |      | 1    | 1    |      |      |      | 1    |      |      | 2    | 2    | 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

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 | 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<br>(cont...) |      |  |
|--|-------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-----------|--------------------|------|--|
|  | ANIMAL ID   | 0005 | 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 |             | 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  
A .. Autolysis precludes evaluation  
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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  
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 Lab: SRI

|                  |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |           |                    |
|------------------|-------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-----------|--------------------|
| B6C3F1 MICE MALE | DAY ON TEST | 0730 | 0730 | 0731 | 0731 | 0752 | 0756 | 0777 | 0777 | 0766 | 0776 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0766 | 0775 | 0755 | 0777 | 0777 | 0766 | ANIMAL ID | males<br>(cont...) |
|                  | 3 MG/KG     | 0005 | 0005 | 0005 | 0005 | 0005 | 0005 | 0005 | 0005 | 0005 | 0005 | 0005 | 0005 | 0005 | 0005 | 0005 | 0005 | 0005 | 0005 | 0005 | 0005 | 0005 | 0005 |           |                    |

**GENITAL SYSTEM**

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

**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

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 | 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<br>(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<br>Iliac, Hyperplasia, Lymphoid  |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |                  | +  |                  |
| Lymph Node, Mandibular<br>Hemorrhage<br>Hyperplasia, Lymphoid<br>Infiltration Cellular, Polymorphonuclear<br>Pigmentation   |             | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    |                  | 2<br>1<br>3<br>1 1 2 1 1 1 1 2 2 1 1 1 1 1 1 2 2 1 1 2 |                  |
| Lymph Node, Mesenteric<br>Ectasia<br>Hemorrhage<br>Hyperplasia, Lymphoid<br>Infiltration Cellular, Polymorphonuclear<br>Necrosis, Lymphoid  |             | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | M    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    |      | 2<br>2<br>2<br>2 |  |                  |
| Spleen<br>Hematopoietic Cell Proliferation<br>Pigmentation<br>Capsule, Fibrosis, Focal<br>Capsule, Inflammation, Granulomatous, Focal<br>Lymphoid Follicle, Atrophy<br>Lymphoid Follicle, Hyperplasia |             | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | A    | +    | +    | +    | +    |                  | 2<br>1<br>1<br>2<br>1<br>3 2                           |                  |
| Thymus<br>Atrophy<br>Cyst<br>Hyperplasia, Lymphoid  |             | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | M    | I    | I    | +    | +    | +    | +    | +    | +    | +    | A    | I    | I    | M                |  | 2<br>2<br>2<br>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) 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 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 |
| 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  
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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 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  | 0756  | 0767  | 0777  | 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

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

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**  
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|                         |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |                            |
|-------------------------|-------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|----------------------------|
| <b>B6C3F1 MICE MALE</b> | DAY ON TEST | 0730 | 0730 | 0731 | 0731 | 0732 | 0736 | 0737 | 0737 | 0736 | 0737 | 0736 | 0737 | 0737 | 0737 | 0737 | 0737 | 0737 | 0736 | 0737 | 0735 | 0735 | 0737 | 0737 | 0736 | <b>males<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 |                            |

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  
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|                         |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |                 |
|-------------------------|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-----------------|
| <b>B6C3F1 MICE MALE</b> | DAY ON TEST | 0731  | 0730  | 0730  | 0564  | 0730  | 0770  | 0557  | 0664  | 0771  | 0769  | 0668  | 0776  | 0773  | 0474  | 0775  | 0573  | 0773  | 0773  | 0773  | 0773  | 0667  | 0773  | <b>* TOTALS</b> |
|                         | ANIMAL ID   | 00076 | 00077 | 00078 | 00079 | 00080 | 00081 | 00082 | 00083 | 00084 | 00085 | 00086 | 00087 | 00088 | 00089 | 00090 | 00091 | 00092 | 00093 | 00094 | 00095 | 00096 | 00097 |                 |

**ALIMENTARY SYSTEM**

|  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |       |       |       |  |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|-------|-------|-------|--|
| Esophagus<br>Inflammation, Chronic<br>Muscularis, Degeneration | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | 1 1.0 | 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<br>Serosa, Fibrosis                    | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | +  | 46    | 1 2.0 |       |  |
| Intestine Small, Duodenum                                      | + | + | + | + | + | + | + | + | + | + | + | + | + | I | + | A | + | + | + | + | + | + | A | +  | 43    |       |       |  |
| Intestine Small, Ileum   | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | M | + | + | + | + | + | A | +  | 41    |       |       |  |
| Intestine Small, Jejunum<br>Peyer's Patch, Hyperplasia         | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | A | + | + | + | + | + | A  | +     | 42    | 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 |   |   |   |   |   |   | X |   |   |    | 12    |       |       |  |
| Eosinophilic Focus, Multiple                                   |   |   |   | X |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | X | X |   |   |    | 10    |       |       |  |

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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 MALE<br>3 MG/KG             | DAY ON TEST |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       | * TOTALS |       |       |       |      |     |
|---|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------|-------|-------|-------|------|-----|
|   | 0731        | 0733  | 0730  | 0564  | 0773  | 0777  | 0575  | 0668  | 0772  | 0777  | 0669  | 0666  | 0777  | 0777  | 0474  | 0777  | 0575  | 0777  | 0777  | 0777  |          |       | 0667  | 0776  | 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 | 00098 | 00099 |      |     |
| 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     | 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  
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  | 0773  | 0575  | 0668  | 0772  | 0776  | 0669  | 0668  | 0773  | 0777  | 0474  | 0772  | 0575  | 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     | 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

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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 | 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 |
| <b>3 MG/KG</b>          | ANIMAL ID   | 1 | 0 | 0 | 4 | 0 | 0 | 7 | 4 | 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 | 1 |   |
|                         |             | 7 | 7 | 7 | 7 | 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 |   |
|                         |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | <b>* TOTALS</b> |   |   |   |

GENITAL SYSTEM

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

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  
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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 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 | * 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 | 0 | 0 | 4 | 0 | 0 | 7 | 4 | 9 | 1 | 9 | 8 | 0 | 0 | 8 | 9 | 0 | 0 | 1 | 1 | 9 | 0 | 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 |          |
|   |             | 7 | 7 | 7 | 7 | 8 | 8 | 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 | 7 | 8 |          |
| Bone Marrow                                 |             | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50       |
| Lymph Node                                  |             |   |   |   | + |   |   |   | + |   |   |   |   |   |   |   |   |   | + |   |   |   |   |   | 4        |
| Iliac, Hyperplasia, Lymphoid                |             |   |   |   | 4 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1 4.0    |
| Lymph Node, Mandibular                      |             | I | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49       |
| Hemorrhage                                  |             |   |   | 3 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 3 2.7    |
| Hyperplasia, Lymphoid                       |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1 1.0    |
| Infiltration Cellular, Polymorphonuclear    |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1 3.0    |
| Pigmentation                                |             |   | 2 | 1 | 1 | 1 | 2 | 1 | 1 | 2 | 1 | 1 | 2 | 3 | 1 | 1 | 1 | 1 | 2 | 1 | 1 | 2 | 1 | 3 | 48 1.4   |
| Lymph Node, Mesenteric                      |             | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | 47       |
| Ectasia                                     |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 3 |   |   |   |   |   |   | 1 3.0    |
| Hemorrhage                                  |             |   |   |   |   |   |   |   |   |   | 2 |   |   |   |   |   |   |   | 1 |   |   |   | 4 |   | 7 2.1    |
| Hyperplasia, Lymphoid                       |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1 2.0    |
| Infiltration Cellular, Polymorphonuclear    |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1 2.0    |
| Necrosis, Lymphoid                          |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1 2.0    |
| Spleen                                      |             | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | A | + | + | + | + | + | + | 47       |
| Hematopoietic Cell Proliferation            |             |   |   |   | 3 |   |   |   | 3 | 2 |   | 2 |   |   |   |   |   |   |   |   |   |   |   |   | 10 2.2   |
| Pigmentation                                |             |   |   | 1 |   | 2 |   | 2 |   |   |   |   | 1 |   |   |   |   |   |   |   | 1 |   |   |   | 12 1.4   |
| Capsule, Fibrosis, Focal                    |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1 2.0    |
| Capsule, Inflammation, Granulomatous, Focal |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1 2.0    |
| Lymphoid Follicle, Atrophy                  |             |   |   |   |   |   |   |   |   |   |   |   | 3 |   |   |   |   |   |   |   |   |   |   |   | 2 2.5    |
| Lymphoid Follicle, Hyperplasia              |             |   | 1 | 1 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1 |   |   | 1 | 7 1.4    |
| Thymus                                      |             | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | I | + | + | M | + | + | + | 41       |
| Atrophy                                     |             |   |   | 1 | 4 |   |   |   | 4 | 3 | 1 | 4 | 3 | 4 |   | 4 |   | 4 |   |   |   | 1 |   | 2 | 28 2.6   |
| Cyst  |             |   | 2 |   | 2 |   |   |   |   |   | 2 |   |   | 2 |   |   |   |   |   |   | 2 |   |   |   | 12 2.0   |
| Hyperplasia, Lymphoid                       |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1 |   |   |   |   | 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 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 |          | 1 |
|                             |             | 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        |   |
|                             |             | 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        |   |

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 | 2     |
| Skin                                    | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50    |
| Fibrosis                                |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1 2.0 |
| Hyperkeratosis                          |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 3 2.7 |
| Inflammation, Acute                     |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1 2.0 |
| Inflammation, Chronic                   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 3 1.3 |
| Inflammation, Chronic Active            |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1 3.0 |
| Ulcer                                   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1 4.0 |
| Epidermis, Hyperplasia                  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1 2.0 |
| Lip, Inflammation, Acute                |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1 1.0 |
| Subcutaneous Tissue, Angiectasis, Focal |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1 2.0 |

MUSCULOSKELETAL SYSTEM

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

NERVOUS SYSTEM

|   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |       |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-------|
| Brain                                   | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50    |
| Hemorrhage                              |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 2 1.0 |
| Infiltration Cellular, Mononuclear Cell |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 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

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

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 3 1 3 3 1 1 11 1.8  
Inflammation, Acute 1 1 1.0  
Mineralization 2 1.0  
Alveolar Epithelium, Hyperplasia 3 3 4 6 3.2

Nose + + + + + + + + + + + + + + A + + + + + + + + 48  
Foreign Body 2 X 2 7 1.4  
Inflammation, Acute 1 1 3 2 1 1 2 12 1.6  
Mineralization 1 1 2 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

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  | 0733  | 0736  | 0733  | 0733  | 0735  | 0738  | 0734  | 0731  | 0739  | 0738  | 0730  | 0733  | 0733  | 0732  | 0734  | 0733  | 0733  | 0732  |          | 0733  | 0731  | 0734  | 0733        |        |
| 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 |             |        |
|   | Cornea, Inflammation, Chronic Active |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |          |       |       |       |             | 1 2.0  |
| Harderian Gland Hyperplasia             | +                                    | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | M     | +     | +     | +        | +     | +     | +     | 49<br>2 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                                 |                                      |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |          |       |       |       | 2           | 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     | 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     | 45          | 1.7    |
| Interstitial, Inflammation, Chronic     |                                      |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |          |       |       |       | 2           | 1 2.0  |
| Papilla, Inflammation, Acute            |                                      |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |          |       |       |       | 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           | 14 1.1 |
| Renal Tubule, Hyperplasia               |                                      |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |          |       |       |       | 1           | 1 1.0  |
| Urethra                                 |                                      |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |          |       |       |       |             |        |
| Angiectasis                             |                                      |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |          |       |       |       |             | 4      |
| Inflammation, Acute                     |                                      |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |          |       |       |       |             | 1 4.0  |
| Necrosis                                |                                      |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |          |       |       |       |             | 2 2.0  |
| Bulbourethral Gland, Cyst               |                                      |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |          |       |       |       |             | 1 1.0  |
| Bulbourethral Gland, Inflammation       |                                      |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |          |       |       |       |             | 1 4.0  |
|   |                                      |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |          |       |       |       |             | 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  
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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

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

**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   | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Angiectasis   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Basophilic Focus, Multiple  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Clear Cell Focus  |   |   | X | X |   |   |   |   |   |   |   |   | X |   |   |   |   |   |   |   | X | X |   | X | X | X |
| Clear Cell Focus, Multiple  |   |   |   |   |   |   |   |   |   |   | X |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Eosinophilic Focus  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Eosinophilic Focus, Multiple  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Fatty Change  | 3 | 2 | 1 | 3 |   |   |   |   |   |   |   |   | X | X |   |   |   |   |   |   |   |   |   | X |   |   |
| 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  
 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...) |     |     |
|--|-------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|--------------------|-----|-----|
|  | 04          | 06  | 05  | 05  | 07  | 07  | 06  | 07  | 06  | 07  | 07  | 07  | 07  | 07  | 07  | 07  | 06  | 07  | 07  | 06  |                    | 07  | 07  |
|  | 31          | 18  | 55  | 21  | 88  | 31  | 83  | 13  | 23  | 03  | 21  | 33  | 02  | 16  | 33  | 55  | 72  | 11  | 22  | 29  |                    | 88  | 22  |
| ANIMAL ID  | 001         | 001 | 000 | 000 | 000 | 000 | 000 | 000 | 000 | 000 | 000 | 000 | 000 | 000 | 000 | 000 | 000 | 000 | 000 | 000 | 000                | 000 | 000 |
| Hemorrhage   |             | 1   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |                    |     |     |
| Inflammation, Chronic Necrosis, Focal  |             | 1   |     |     |     |     |     | 1   |     |     | 1   | 2   |     |     | 1   |     | 1   | 1   |     |     | 2                  | 1   | 2   |
| Centrilobular, Hepatocyte, Hypertrophy Kupffer Cell, Pigmentation  | 2           | 3   | 3   | 4   |     |     | 3   | 3   | 3   | 4   | 4   | 4   | 4   | 2   | 4   | 4   | 4   | 4   | 4   | 4   | 4                  | 4   | 4   |
|  |             |     | 2   |     | 2   |     | 2   | 1   | 1   | 1   | 2   | 1   | 2   | 2   | 1   |     | 2   | 2   |     | 1   | 2                  |     | 1   |
| Mesentery Artery, Inflammation, Chronic Active Fat, Necrosis   | +           |     |     |     |     |     |     |     |     | +   |     |     |     |     |     |     |     | +   |     |     |                    |     | +   |
|  |             |     |     |     |     |     |     |     |     |     | 2   |     |     |     |     |     |     |     |     |     |                    |     | 1   |
| Pancreas Atrophy Inflammation, Chronic Acinus, Hyperplasia, Focal  | +           | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +                  | +   | +   |
|  |             | 1   |     |     | 2   |     |     |     |     | 2   |     |     |     |     |     |     |     |     | 2   | 1   |                    |     |     |
|  |             |     | 1   | 1   | 2   |     |     | 1   | 1   | 1   | 1   |     |     |     |     | 1   | 2   | 2   | 1   |     |                    | 1   |     |
|  |             |     |     |     |     |     |     |     |     |     |     |     | 1   |     |     |     |     |     |     |     |                    |     |     |
| Salivary Glands Infiltration Cellular, Mononuclear Cell Mineralization   | +           | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +                  | +   | +   |
|  |             | 1   |     |     | 1   |     | 1   | 1   |     | 1   | 1   | 1   |     |     | 2   | 1   |     | 1   | 1   | 1   |                    |     | 1   |
|  |             |     |     |     |     |     |     |     |     |     |     |     |     |     | 1   |     |     |     |     |     |                    |     | 1   |
| Stomach, Forestomach Edema Erosion Foreign Body Inflammation Necrosis Ulcer Epithelium, Hyperplasia Serosa, Fibrosis | +           | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +                  | +   | +   |
|  |             |     |     |     |     | 4   |     |     |     |     |     |     |     |     | 1   |     |     |     |     | 2   |                    |     | 4   |
|  |             |     |     |     |     |     |     |     |     | X   |     |     |     |     |     |     |     |     |     |     |                    |     |     |
|  |             |     |     |     | 2   |     | 2   | 2   | 2   | 1   | 1   |     | 1   | 2   | 2   | 1   |     | 2   |     | 1   | 1                  | 2   | 2   |
|  |             |     |     |     |     |     |     | 2   | 2   |     |     |     |     |     |     |     |     | 2   |     | 2   |                    | 3   | 3   |
|  |             | 1   |     |     | 2   | 2   | 2   | 2   | 3   | 1   | 2   |     |     | 3   | 3   | 3   | 2   | 1   | 4   |     | 2                  | 3   | 3   |
|  |             |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |                    |     |     |
| Stomach, Glandular Dilatation  | A           | +   | +   | +   | +   | A   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +                  | +   | +   |
|  |             |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |                    | 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

|                         |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|-------------------------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| <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 |   |
|                         | ANIMAL ID   | 4 | 6 | 5 | 5 | 7 | 7 | 6 | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 6 | 7 | 7 | 6 | 7 | 6 | 7 | 7 |   |
| <b>30 MG/KG</b>         |             | 3 | 1 | 8 | 5 | 2 | 1 | 8 | 3 | 1 | 3 | 2 | 3 | 0 | 2 | 1 | 3 | 3 | 5 | 2 | 1 | 2 | 2 | 8 | 2 |   |
|                         |             | 1 | 2 | 1 | 1 | 9 | 5 | 4 | 0 | 8 | 0 | 9 | 0 | 8 | 9 | 6 | 0 | 0 | 6 | 9 | 5 | 9 | 9 | 4 | 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 | 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 |

males  
(cont...)

|  |  |  |  |   |  |  |  |  |   |   |  |  |  |  |  |  |  |  |  |   |  |   |   |  |   |
|--|--|--|--|---|--|--|--|--|---|---|--|--|--|--|--|--|--|--|--|---|--|---|---|--|---|
| Edema                                      |  |  |  |   |  |  |  |  |   |   |  |  |  |  |  |  |  |  |  |   |  |   |   |  |   |
| Erosion                                    |  |  |  |   |  |  |  |  |   |   |  |  |  |  |  |  |  |  |  | 2 |  |   |   |  |   |
| Inflammation                               |  |  |  |   |  |  |  |  |   | 2 |  |  |  |  |  |  |  |  |  |   |  |   |   |  |   |
| Mineralization                             |  |  |  |   |  |  |  |  |   |   |  |  |  |  |  |  |  |  |  |   |  |   | 1 |  | 1 |
| Necrosis                                   |  |  |  |   |  |  |  |  |   | 2 |  |  |  |  |  |  |  |  |  |   |  |   |   |  |   |
| Ulcer                                      |  |  |  |   |  |  |  |  |   |   |  |  |  |  |  |  |  |  |  |   |  | 2 |   |  |   |
| Glands, Ectasia, Focal<br>Serosa, Fibrosis |  |  |  | 1 |  |  |  |  | 1 |   |  |  |  |  |  |  |  |  |  |   |  |   |   |  |   |

**CARDIOVASCULAR SYSTEM**

|                        |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Blood Vessel           | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Heart                  | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Cardiomyopathy         |   | 1 |   |   |   |   |   |   |   |   |   |   | 1 |   |   |   |   |   | 2 |   |   |   |   | 1 |
| Mineralization         |   | 1 |   |   | 1 | 2 |   | 2 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Artery, Mineralization |   |   |   |   |   |   |   |   |   |   |   | 1 |   |   |   |   |   |   |   |   |   |   |   |   |

**ENDOCRINE SYSTEM**

|                                   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|-----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Adrenal Cortex                    | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |   |
| Accessory Adrenal Cortical Nodule |   |   | 2 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 2 |   | 2 | 2 |   |
| Degeneration, Fatty               |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1 |   |   |   |   |   |   |
| Hyperplasia                       |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Hypertrophy, Focal                |   |   |   |   |   |   |   |   | 3 |   |   | 2 |   |   |   |   |   |   |   | 2 |   |   |   |   |   |
| Hypertrophy, Diffuse              |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1 |   |   |   |   |   |   |   |   |   |   |
| Vacuolization Cytoplasmic         |   |   |   |   |   |   | 1 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Capsule, Hyperplasia              | 2 | 1 | 2 | 2 | 2 |   | 2 | 2 | 2 | 1 | 2 | 1 | 1 | 2 | 1 | 2 | 2 |   | 2 | 2 | 2 | 1 | 2 | 2 | 1 |
| Adrenal Medulla                   | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |   |

\* .. 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 |   |   |
|                         |             | 4 | 6 | 5 | 5 | 7 | 7 | 6 | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 6 | 7 | 7 | 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 |
| <b>30 MG/KG</b>         | ANIMAL ID   | 1 | 2 | 1 | 1 | 9 | 5 | 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 | 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 |   |   |
|                         |             | 0 | 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 | 4 | 5 |

**males  
(cont...)**

|   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Islets, Pancreatic Hyperplasia                    | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |   |
|   | 1 |   | 1 | 2 | 2 | 1 |   |   |   | 1 | 2 |   | 1 |   | 1 |   |   | 2 | 2 | 3 |   |   |   |   |   |
| Parathyroid Gland Cyst                            | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |   |
|   |   |   |   |   | 2 | 2 |   | 2 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Pituitary Gland Pars Distalis, Hyperplasia, Focal | + | I | + | I | + | A | + | + | + | + | + | + | + | I | + | + | + | + | + | + | + | + | + |   |   |
|   |   |   |   |   |   |   |   |   |   | 1 |   |   |   |   |   |   |   |   |   |   |   | 1 |   |   |   |
| Thyroid Gland C-cell, Hyperplasia                 | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |   |
| Follicle, Cyst                                    |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 2 |   |
| Follicle, Degeneration                            |   |   |   | 1 |   | 2 |   |   | 1 |   |   |   |   | 1 | 3 | 1 | 1 |   | 1 |   |   |   |   |   |   |
| Follicle, Hypertrophy                             | 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 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 MALE<br>30 MG/KG | DAY ON TEST | ANIMAL ID   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | males<br>(cont...) |
|------------------------------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--------------------|
|                              |             | 0 | 4 6 5 5 7 7 6 7 6 7 7 7 7 7 7 7 6 7 7 6 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 | 1 2 1 1 9 5 4 0 8 0 9 0 8 9 6 0 0 6 9 5 9 9 4 9 9 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |                    |
|                              |             | 0 | 0 | 1 | 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 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |                    |
| 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 | 1 | 1                  |
| Seminal Vesicle              |             |   | +   | +   | +   | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |                    |
| Atrophy                      |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |                    |
| Hemorrhage                   |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |                    |
| Inflammation, Chronic        |             |   |   |   |   |   | 1 |   |   |   |   | 1 |   |   | 1 |   |   | 1 |   |   |   |   |   |   |   |   |                    |
| Testes                       |             |   | +   | +   | +   | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |                    |
| Abnormal Residual Body       |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1 |                    |
| Giant Cell                   |             |   |   |   |   |   |   |   |   |   | 1 |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1 |                    |
| Germinal Epithelium, Atrophy |             |   |   |   |   |   | 2 |   |   |   |   |   |   |   | 1 | 1 |   |   | 1 | 1 | 1 |   |   |   |   |   |                    |

**HEMATOPOIETIC SYSTEM**

|                        |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Bone Marrow            | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Lymph Node             | + |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Pigmentation           |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Inguinal, Pigmentation |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Lymph Node, Mandibular | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Atrophy                |   |   |   |   |   |   | 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      |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  | 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>1<br>5 | 0<br>6<br>8<br>4 | 0<br>7<br>3<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 | 0<br>6<br>7<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                |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |           |                    |
| <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                |                  |           |                    |
| 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

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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

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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 | 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 |
|                              |             | 4 | 6 | 5 | 5 | 7 | 7 | 6 | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 6 | 7 | 7 | 7 | 6 | 7 | 6 | 7 | 7 | 6 | 7 | 7 | 6 | 7 | 7 | 6 | 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 | 8 | 2 | 2 | 8 | 2 | 2 | 8 | 2 | 2 |
|                              |             | 1 | 2 | 1 | 1 | 9 | 5 | 4 | 0 | 8 | 0 | 9 | 0 | 8 | 9 | 6 | 0 | 0 | 6 | 9 | 5 | 9 | 9 | 4 | 9 | 9 | 4 | 9 | 9 | 4 | 9 | 9 | 4 | 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 |
|                              |             | 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 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 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 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 |

males  
(cont...)

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  
 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

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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 MALE<br>30 MG/KG                | DAY ON TEST                                       |   |   |   |   |   |   |     |   |   |   |   |   |   |     |   |   |                   |   |   | ANIMAL ID |     |   |   |                    |
|---|---|---|---|---|---|---|---|-----|---|---|---|---|---|---|-----|---|---|-------------------|---|---|-----------|-----|---|---|--------------------|
|   | 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 | 6                 | 7 | 7 | 6         | 7   |   |   |                    |
|   | 3   | 1 | 8 | 5 | 2 | 1 | 8 | 3   | 1 | 3 | 2 | 3 | 0 | 2 | 1   | 3 | 3 | 5                 | 2 | 1 | 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 |   |                    |
|   | 0   | 0 | 0 | 0 | 0 | 0 | 0 | 0   | 0 | 0 | 0 | 0 | 0 | 0 | 0   | 0 | 0 | 0                 | 0 | 0 | 0         | 0   | 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 |   |                    |
|   | 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 |   | males<br>(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 |                    |
| Mineralization                              | 1   |   |   |   |   |   |   |     |   |   |   |   |   |   |     |   |   |                   |   |   |           |     |   |   |                    |
| Trachea                                     | A +     |   |   |   |   |   |   |     |   |   |   |   |   |   |     |   |   |                   |   |   |           |     |   |   |                    |
| <b>SPECIAL SENSES SYSTEM</b>                |   |   |   |   |   |   |   |     |   |   |   |   |   |   |     |   |   |                   |   |   |           |     |   |   |                    |
| Eye   | A + + + + A + + + + + + A + + + + + + + + + + + + |   |   |   |   |   |   |     |   |   |   |   |   |   |     |   |   |                   |   |   |           |     |   |   |                    |
| Cataract                                    | 1   |   |   |   |   |   |   |     |   |   |   |   |   |   |     |   |   |                   |   |   |           |     |   |   |                    |
| Cornea, Inflammation, Acute                 |   |   |   |   |   |   |   |     |   |   |   |   |   |   |     |   |   |                   |   |   |           |     |   |   |                    |
| Cornea, Necrosis                            | 3   |   |   |   |   |   |   |     |   |   |   |   |   |   |     |   |   |                   |   |   |           |     |   |   |                    |
| Retrobulbar, Inflammation, Acute            | 3   |   |   |   |   |   |   |     |   |   |   |   |   |   |     |   |   |                   |   |   |           |     |   |   |                    |
| Harderian Gland                             | +   |   |   |   |   |   |   |     |   |   |   |   |   |   |     |   |   |                   |   |   |           |     |   |   |                    |
| Hyperplasia                                 | +   |   |   |   |   |   |   |     |   |   |   |   |   |   |     |   |   |                   |   |   |           |     |   |   |                    |
| <b>URINARY SYSTEM</b>                       |   |   |   |   |   |   |   |     |   |   |   |   |   |   |     |   |   |                   |   |   |           |     |   |   |                    |
| 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 |   |   |           |     |   |   |                    |
| Inflammation                                | 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

| B6C3F1 MICE MALE | DAY ON TEST |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |   | ANIMAL ID | males<br>(cont...) |
|------------------|-------------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|---|-----------|--------------------|
|                  | 04          | 06 | 05 | 05 | 07 | 07 | 06 | 07 | 06 | 07 | 07 | 07 | 07 | 07 | 07 | 07 | 07 | 06 | 07 | 07 | 07 | 06 | 07 | 07 |   |           |                    |
| 30 MG/KG         | 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 |           |                    |
|                  | 1           | 2  | 1  | 1  | 9  | 5  | 4  | 0  | 8  | 0  | 9  | 0  | 8  | 9  | 6  | 0  | 0  | 6  | 9  | 5  | 9  | 9  | 4  | 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 |           |                    |
|                  | 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  | 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 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |   |   |  |   |  |   |
| Nephropathy                          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 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 |  |   |  |   |
| Interstitial, Inflammation, Chronic  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |   |  |   |
| Papilla, Necrosis                    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  | 1 |  |   |
| Papilla, Pelvis, Inflammation, Acute |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |   |  |   |
| Renal Tubule, Cyst                   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |   |  |   |
| Renal Tubule, Degeneration           |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |   |  | 3 |
| Renal Tubule, Dilatation             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |   |  | 2 |
| Renal Tubule, Pigmentation           |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |   |  | 1 |
|                                      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |   |  | 2 |

|                                 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |
|---------------------------------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|---|
| Urethra                         |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |
| Angiectasis                     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | + |
| Hemorrhage                      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 4 |
| Inflammation, Acute             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1 |
| Necrosis                        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 2 |
| Bulbourethral Gland, Hemorrhage |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 2 |
| Bulbourethral Gland, Necrosis   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 4 |

|                              |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |   |
|------------------------------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|---|---|
| Urinary Bladder              |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |   |
| Hemorrhage                   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   | + |
| 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

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

Date Report Requested: 09/10/2014

Test Type: CHRONIC

Pentabromodiphenyl oxide (technical) (DE 71)

Time Report Requested: 08:48:43

Route: GAVAGE

CAS Number: 32534-81-9

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

Species/Strain: MICE/B6C3F1

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 |   |   |
|                         |             | 6               | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 4 | 7 | 7 | 4 | 7 | 7 | 6 | 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 | 3 | 2 | 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 |   |
| <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 |   |   |
|                         |             | 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 | 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 |
|                         |             | <b>* TOTALS</b> |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |

**ALIMENTARY SYSTEM**

|   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |        |       |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--------|-------|
| Esophagus                                       | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | +      | 50    |
| Muscularis, Degeneration                        |   |   |   |   |   | 1 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |        | 2 1.5 |
| Gallbladder                                     | + | + | + | + | + | + | + | + | + | + | + | + | + | A | M | + | + | + | + | M | + | + | + | +      | 41    |
| Cyst  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 2 |   |   |   |   |   |   |   |        | 1 2.0 |
| Intestine Large, Cecum                          | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | +      | 45    |
| Intestine Large, Colon                          | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | +      | 46    |
| Intestine Large, Rectum                         | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | +      | 46    |
| Intestine Small, Duodenum                       | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | +      | 47    |
| Infiltration Cellular, Plasma Cell Inflammation |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |        | 1 1.0 |
|   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |        | 1 2.0 |
| Intestine Small, Ileum                          | + | + | + | + | + | + | + | + | + | + | + | + | + | A | M | + | + | + | + | + | + | + | + | +      | 44    |
| Intestine Small, Jejunum                        | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | +      | 44    |
| Liver   | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | +      | 50    |
| Angiectasis                                     |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |        | 1 1.0 |
| Basophilic Focus, Multiple                      |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |        | 1     |
| Clear Cell Focus                                |   |   |   | X |   | X | X |   |   |   | X |   |   | X |   |   |   | X |   |   |   |   | X | 17     |       |
| Clear Cell Focus, Multiple                      |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | X |   | X |   |   |   |   |   | 3      |       |
| Eosinophilic Focus                              |   |   |   |   |   |   |   |   |   | X |   |   |   |   |   |   |   |   |   | X |   | X |   | 4      |       |
| Eosinophilic Focus, Multiple                    |   |   |   |   |   |   |   |   |   |   |   | X |   |   |   |   |   |   |   |   |   | X |   | 6      |       |
| Fatty Change                                    |   |   | 1 | 2 |   | 2 | 3 |   | 1 |   |   |   |   | 2 | 3 |   |   |   |   |   |   |   | 2 | 17 2.0 |       |
| Hematopoietic Cell Proliferation                |   |   |   |   |   |   |   |   |   | 1 |   |   |   |   |   |   |   |   |   |   |   |   |   | 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>30 MG/KG            | DAY ON TEST |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       | * TOTALS |       |       |       |       |    |     |     |
|---|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------|-------|-------|-------|-------|----|-----|-----|
|   | 0684        | 0656  | 0730  | 0771  | 0773  | 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 | 00150 |    |     |     |
| 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     | 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                            |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       | X     |       |       |       |          |       |       |       |       | 2  |     |     |
| Inflammation                            | 2           | 1     |       |       |       | 2     |       | 2     | 2     | 2     | 2     | 2     |       | 1     |       | 1     | 2     | 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

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

|                         |                    |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |                 |  |
|-------------------------|--------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------------|--|
| <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 |                 |  |
|                         |                    | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 4 | 7 | 7 | 4 | 7 | 7 | 6 | 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               |  |
| <b>30 MG/KG</b>         | <b>ANIMAL ID</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 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 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 |   |                 |  |
|                         |                    | 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> |  |

|                        |   |  |  |  |  |  |  |  |  |  |  |  |   |   |   |  |  |  |  |  |  |  |  |   |     |  |   |     |
|------------------------|---|--|--|--|--|--|--|--|--|--|--|--|---|---|---|--|--|--|--|--|--|--|--|---|-----|--|---|-----|
| Edema                  | 1 |  |  |  |  |  |  |  |  |  |  |  |   |   |   |  |  |  |  |  |  |  |  | 1 | 1.0 |  |   |     |
| Erosion                |   |  |  |  |  |  |  |  |  |  |  |  |   |   |   |  |  |  |  |  |  |  |  | 1 | 2.0 |  |   |     |
| Inflammation           | 1 |  |  |  |  |  |  |  |  |  |  |  |   |   |   |  |  |  |  |  |  |  |  | 2 | 1.5 |  |   |     |
| Mineralization         | 2 |  |  |  |  |  |  |  |  |  |  |  | 1 | 2 | 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 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 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 |   |   |   |   |   | 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 | 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  
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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>30 MG/KG                      | DAY ON TEST |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     | * TOTALS |     |        |   |        |
|---|-------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----------|-----|--------|---|--------|
|   | 064         | 065 | 067 | 067 | 067 | 067 | 067 | 067 | 067 | 067 | 067 | 067 | 067 | 067 | 067 | 067 | 067 | 067 | 067 | 067 |          | 067 |        |   |        |
| ANIMAL ID   | 001         | 001 | 001 | 001 | 001 | 001 | 001 | 001 | 001 | 001 | 001 | 001 | 001 | 001 | 001 | 001 | 001 | 001 | 001 | 001 | 001      |     |        |   |        |
| Islets, Pancreatic Hyperplasia                    | +           | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +        | 50  |        |   |        |
|   |             |     |     |     | 2   | 1   |     |     |     | 2   |     |     | 1   |     |     |     | 2   | 1   |     | 1   | 1        | 1   | 21 1.5 |   |        |
| Parathyroid Gland Cyst                            | M           | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +        | 49  |        |   |        |
|   |             |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     | 2   |     | +   | +   | +        | +   | 5 2.0  |   |        |
| Pituitary Gland Pars Distalis, Hyperplasia, Focal | +           | +   | +   | +   | +   | M   | +   | I   | +   | +   | +   | +   | I   | +   | +   | +   | +   | +   | +   | +   | +        | 43  |        |   |        |
|   |             |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     | 2   |     | 1   |     |          |     | 4 1.3  |   |        |
| Thyroid Gland C-cell, Hyperplasia                 | +           | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +        | 50  |        |   |        |
| Follicle, Cyst                                    |             |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |          |     | 1 2.0  |   |        |
| Follicle, Degeneration                            |             |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |          | X   | 1      |   |        |
| Follicle, Hypertrophy                             | 3           |     | 1   | 1   | 3   |     | 2   | 3   |     | 1   | 2   | 1   |     | 2   | 1   |     | 2   | 1   | 3   | 2   | 2        | 3   | 3      | 2 | 12 1.4 |
|   |             |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |          |     | 1      |   | 41 2.0 |

**GENERAL BODY SYSTEM**

NONE

**GENITAL SYSTEM**

Coagulating Gland

1

Epididymis

50

Granuloma Sperm

1 4.0

Inflammation, Chronic

24 1.3

Penis

1

Preputial Gland

50

Cyst

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

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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

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| B6C3F1 MICE MALE<br>30 MG/KG |  | DAY ON TEST |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | * TOTALS |     |     |
|------------------------------|--|-------------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----------|-----|-----|
|                              |  | 06          | 06 | 07 | 07 | 07 | 07 | 07 | 07 | 07 | 07 | 07 | 07 | 07 | 07 | 07 | 07 | 07 | 07 | 07 | 07 | 07 | 07 | 07 |    |          |     |     |
|                              |  | 84          | 56 | 30 | 31 | 30 | 30 | 29 | 31 | 53 | 29 | 31 | 53 | 30 | 30 | 27 | 29 | 09 | 03 | 08 | 11 | 29 | 30 | 29 | 29 |          |     |     |
| Inflammation, Chronic        |  | 1           | 1  | 2  |    |    |    | 2  |    |    |    | 1  |    | 2  | 2  | 1  | 2  |    | 1  | 2  |    | 2  | 2  |    | 25 | 1.7      |     |     |
| Inflammation, Chronic Active |  |             |    |    | 2  |    |    |    |    |    |    |    |    | 2  |    |    |    |    | 2  |    |    |    |    |    | 3  | 2.0      |     |     |
| Necrosis                     |  |             |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 1  |    |    |    |    |    | 1  | 1.0      |     |     |
| Prostate                     |  | +           | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | 50 |          |     |     |
| Atrophy                      |  |             |    |    |    | 2  |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 1  | 2.0      |     |     |
| Inflammation, Acute          |  | 1           |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 1  | 1.0      |     |     |
| Inflammation, Chronic        |  |             |    | 2  | 1  | 1  | 1  | 2  | 1  |    | 1  |    | 1  | 1  |    | 1  | 1  |    | 1  | 1  | 1  | 1  |    | 1  | 1  | 30       | 1.2 |     |
| Epithelium, Hyperplasia      |  |             |    |    |    |    |    |    |    |    | 1  |    |    |    |    |    |    |    |    |    |    |    |    |    | 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                   |  |             |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 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  
+ .. 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        | 0665  | 0673  | 0673  | 0677  | 0677  | 0677  | 0677  | 0677  | 0677  | 0677  | 0677  | 0677  | 0677  | 0677  | 0677  | 0677  | 0677  | 0677  | 0677  |          |   | 0677 |   |   |    |     |     |
| ANIMAL ID                          | 00126       | 00017 | 00008 | 00000 | 00000 | 00000 | 00000 | 00000 | 00000 | 00000 | 00000 | 00000 | 00000 | 00000 | 00000 | 00000 | 00000 | 00000 | 00000 | 00000 | 00000    |   |      |   |   |    |     |     |
| 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  | 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 |     |

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 | 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

|             |  | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |          |
|-------------|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----------|
| DAY ON TEST |  | 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 |          |
|             |  | 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 |          |
|             |  | 4 | 6 | 0 | 1 | 0 | 0 | 9 | 1 | 3 | 9 | 1 | 3 | 0 | 0 | 7 | 9 | 9 | 0 | 8 | 1 | 9 | 0 | 9 | 2 | 9 | 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 |          |
|             |  | 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 |   | * TOTALS |

|                              |   |  |  |   |  |  |  |  |  |  |  |   |  |  |   |  |  |  |  |  |  |   |  |  |  |  |   |       |
|------------------------------|---|--|--|---|--|--|--|--|--|--|--|---|--|--|---|--|--|--|--|--|--|---|--|--|--|--|---|-------|
| 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 2.0 |
| Peripheral Nerve |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1     |
| Degeneration     |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1 1.0 |
| Spinal Cord      |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1     |
| Degeneration     |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1 2.0 |
| Hemorrhage       |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1 1.0 |

**RESPIRATORY SYSTEM**

|                                   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |       |
|-----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-------|
| Lung                              | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50    |
| Fibrosis                          |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1 1.0 |
| Hemorrhage                        |   |   |   |   |   |   |   |   |   | 1 |   | 1 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 6 1.7 |
| Infiltration Cellular, Histiocyte |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 3 |   | 2 |   |   |   |   |   |   |   |   |   |   | 5 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  
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 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 |
|---|-------------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----------|
|   | 06          | 06 | 07 | 07 | 07 | 07 | 07 | 07 | 07 | 07 | 07 | 07 | 07 | 07 | 07 | 07 | 07 | 07 | 07 | 07 | 07 | 07 | 07 | 07 |          |
| 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 |          |
|   | 11          | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 |          |
|   | 22          | 22 | 22 | 22 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 44 | 44 | 44 | 44 | 44 | 44 | 44 | 44 | 44 |          |
|   | 66          | 77 | 88 | 99 | 00 | 11 | 22 | 33 | 44 | 55 | 66 | 77 | 88 | 99 | 00 | 11 | 22 | 33 | 44 | 55 | 66 | 77 | 88 | 99 |          |
| Mineralization                              |             |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 3  | 1.3      |
| Alveolar Epithelium, Hyperplasia            |             |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 1  | 2.0      |
| Alveolus, Infiltration Cellular, Histiocyte |             |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 1  | 1.0      |
| Nose  |             |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 50 |          |
| Foreign Body                                |             |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 7  | 1.3      |
| Fungus                                      |             |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 2  |          |
| Hemorrhage                                  |             |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 1  | 2.0      |
| Inflammation, Acute                         |             |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 19 | 1.4      |
| Mineralization                              |             |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 2  | 1.5      |
| Trachea                                     |             |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 49 |          |
| <b>SPECIAL SENSES SYSTEM</b>                |             |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |          |
| Eye   |             |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 47 |          |
| Cataract                                    |             |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 1  | 1.0      |
| Cornea, Inflammation, Acute                 |             |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 1  | 3.0      |
| Cornea, Necrosis                            |             |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 1  | 3.0      |
| Retrobulbar, Inflammation, Acute            |             |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 1  | 1.0      |
| Harderian Gland                             |             |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 50 |          |
| Hyperplasia                                 |             |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 1  | 3.0      |
| <b>URINARY SYSTEM</b>                       |             |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |          |
| Kidney                                      |             |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 49 |          |
| Hyperplasia, Lymphoid                       |             |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 1  | 1.0      |
| Infarct                                     |             |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 5  | 2.4      |
| Infiltration Cellular, Mononuclear Cell     |             |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 39 | 1.0      |
| Inflammation                                |             |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 1  | 4.0      |

\* .. 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>30 MG/KG         | DAY ON TEST |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       | * TOTALS |       |       |       |       |       |       |       |      |     |
|--------------------------------------|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------|-------|-------|-------|-------|-------|-------|-------|------|-----|
|                                      | 0684        | 0660  | 0730  | 0731  | 0733  | 0733  | 0732  | 0733  | 0731  | 0733  | 0739  | 0731  | 0733  | 0733  | 0730  | 0737  | 0739  | 0730  | 0738  | 0731  | 0739  | 0730  |          | 0733  | 0732  | 0733  | 0739  | 0732  | 0739  | 0732  | 0739 |     |
| 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 | 00151 | 00152 | 00153 | 00154 | 00155 |      |     |
| 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> | 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 |
|                         |             | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 4 | 5 | 4 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 0 | 4 | 4 | 5 | 5 | 4 | 4 | 5 | 5 | 4 | 4 | 5 | 5 | 4 | 4 | 5 | 5 |
|                         |             | 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 | 4 | 4 | 3 | 3 | 0 | 8 | 4 | 4 | 4 | 4 | 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 | 0 | 2 | 3 | 3 | 3 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <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 | 0 | 0 | 0 | 0 | 0 | 0 | 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 | 1 | 1 |
|                         |             | 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 | 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 | 8 |   |

males  
(cont...)

**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  
 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 |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       | males<br>(cont...) |
|---|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------------------|
|   | 0543        | 0543  | 0543  | 0543  | 0543  | 0556  | 0556  | 0556  | 0556  | 0556  | 0556  | 0556  | 0556  | 0556  | 0556  | 0556  | 0556  | 0556  | 0556  | 0556  | 0556  | 0556  | 0556  | 0556  |       |                    |
| ANIMAL ID                               | 00151       | 00152 | 00153 | 00154 | 00155 | 00156 | 00157 | 00158 | 00159 | 00160 | 00161 | 00162 | 00163 | 00164 | 00165 | 00166 | 00167 | 00168 | 00169 | 00170 | 00171 | 00172 | 00173 | 00174 | 00175 |                    |
| 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    |             |       |       |       |       |       |       |       |       |       |       |       |       | 3     |       |       |       |       |       |       | 3     |       |       |       |       |                    |
| Fat, Necrosis                           |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |                    |
| Pancreas Degeneration                   | +           | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     |                    |
| Hemorrhage                              |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       | 3     |       |       |       |       |                    |
| Inflammation, Chronic                   | 1           |       | 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           |       | 4     | 4     |       | 4     | 3     |       |       | 2     | 1     |       | 3     |       | 3     | 3     |       |       |       | 3     |       |       | 3     | 2     | 1     |                    |
| Stomach, Glandular Erosion              | +           | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     |                    |
| Hemorrhage                              |             |       |       |       |       |       |       |       |       |       | 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

|                         |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|-------------------------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| <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 |
|                         | 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 |
| <b>100 MG/KG</b>        |             | 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 |
|                         |             | 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 | 4 | 5 | 5 | 5 | 5 |   |
|                         |             | 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 | 3 | 3 | 3 | 3 | 3 |   |
|                         |             | 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 | 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 |   |
| <b>males (cont...)</b>  |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |

|                              |   |   |
|------------------------------|---|---|
| Mineralization<br>Ulcer      | 4 | 1 |
| Tongue<br>Angiectasis        |   |   |
| Tooth<br>Inflammation, Acute |   |   |

**CARDIOVASCULAR SYSTEM**

|                |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|----------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Blood Vessel   | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |   |
| Heart          | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Cardiomyopathy |   |   |   |   |   | 1 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Mineralization | 2 |   |   |   |   |   | 2 |   |   |   |   |   | 1 |   |   |   |   |   |   |   |   | 2 |   |   |   |   |   |   |

**ENDOCRINE SYSTEM**

|                                   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|-----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Adrenal Cortex                    | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | M | + | + |   |   |   |
| Accessory Adrenal Cortical Nodule |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Degeneration, Fatty               |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Hypertrophy, Focal                |   |   |   |   |   |   |   |   |   |   |   |   | 1 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Hypertrophy, Diffuse              |   | 2 |   | 1 |   | 1 | 2 | 2 | 2 | 1 |   |   |   |   |   |   |   |   |   |   |   | 1 | 1 |   |   |   | 2 |   | 1 |
| Vacuolization Cytoplasmic         |   |   |   |   |   |   |   |   |   |   | 2 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Capsule, Fibrosis                 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 2 |   |
| Capsule, Hemorrhage               |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 2 |   |
| Capsule, Hyperplasia              | 2 | 2 | 2 | 2 | 2 | 2 | 1 | 2 | 1 | 1 | 3 |   | 1 | 2 | 1 |   | 1 |   | 3 | 1 |   | 2 |   |   |   |   |   |   |   |
| Adrenal Medulla                   | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + |   |   |
| 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 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 | males<br>(cont...) |
|--|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--------------------|
|  |             | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 4 | 5 | 4 | 5 | 5 | 5 | 5 | 5 | 5 | 0 | 4 | 4 | 5 | 5 |                    |
|  |             | 4 | 4 | 4 | 4 | 4 | 3 | 3 | 0 | 3 | 2 | 4 | 9 | 4 | 7 | 4 | 0 | 3 | 2 | 4 | 4 | 0 | 8 | 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 |                    |
|  | 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 |                    |
|  |             | 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 | 6 | 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 | 3 |                    |
| Islets, Pancreatic<br>Hyperplasia  |             | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |                    |
|  |             |   | 1 |   |   | 1 |   |   |   |   |   |   |   |   |   |   | 1 |   |   |   |   | 1 |   |   |                    |
| Parathyroid Gland  |             | + | + | + | + | + | M | + | I | + | + | + | + | M | + | + | + | + | + | M | + | + | + | + |                    |
| Pituitary Gland<br>Pars Distalis, Cyst<br>Pars Distalis, Hyperplasia, Focal        |             | I | I | + | M | + | I | + | I | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |                    |
| Thyroid Gland<br>Follicle, Cyst<br>Follicle, Degeneration<br>Follicle, Hypertrophy |             | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |                    |
|  |             |   |   |   | X |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |                    |
|  |             |   |   |   |   |   |   |   |   |   |   |   |   |   | 1 |   |   |   |   |   | 2 |   | 1 | 1 |                    |
|  |             | 1 | 1 | 2 | 3 | 2 | 2 |   | 3 | 3 | 2 | 3 | 3 | 2 | 3 | 2 | 2 |   | 2 | 2 | 3 | 2 | 1 | 3 |                    |

**GENERAL BODY SYSTEM**

Tissue NOS

**GENITAL SYSTEM**

Epididymis

Fibrosis

Inflammation, Chronic

Preputial Gland

Cyst

Inflammation, Acute

Inflammation, Chronic

Prostate

Inflammation, Granulomatous

\* .. 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           |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | ANIMAL ID | males<br>(cont...) |
|------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------|--------------------|
| 100 MG/KG        | 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      | 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      |           |                    |
|                  | 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>5<br>0 | 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>5<br>0 | 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 |           |                    |

|                                   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|-----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Pigmentation                      |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Lymphoid Follicle, Atrophy        |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Lymphoid Follicle, Hyperplasia    | 1 | 1 | 1 | 1 | 4 | 3 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 2 | 2 |   |
| 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 |   |   |   |   |   |   |   |   |   | 2 |   |   |

**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                     |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Foreign Body                 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 3 |   |   |
| Hemorrhage                   |   |   |   |   |   |   |   |   |   |   |   |   |   | 2 |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Hyperkeratosis               |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Inflammation, Acute          |   |   |   |   |   |   |   |   |   |   |   |   | 1 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Inflammation, Chronic        |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1 |
| Inflammation, Chronic Active |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Thrombosis                   |   |   |   |   |   |   |   |   |   |   |   |   | 2 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Ulcer                        |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Epidermis, Tail, Hyperplasia |   |   |   |   |   |   |   |   |   |   |   | 1 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |

**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)  
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 |   |   |   |
|------------------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
|                  |             | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 4 | 5 | 4 | 5 | 5 | 5 | 5 | 5 | 5 | 0 | 4 | 4 | 5 | 5 |   |
| 100 MG/KG        | 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 | 3 |
|                  |             | 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 |
|                  |             | 0 | 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 |

males  
(cont...)

|                 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|-----------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Eye             | + | + | + | + | + | + | + | A | + | + | + | A | + | A | + | + | + | + | + | + | + | + | + | + | + |   |
| Harderian Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |

**URINARY SYSTEM**

|   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Kidney                                  | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Infiltration Cellular, Mononuclear Cell |   |   | 1 |   | 1 | 1 |   |   |   | 1 |   |   |   | 1 |   |   |   |   | 1 |   |   | 1 |   |   | 1 | 1 |
| Mineralization                          |   |   |   |   |   | 1 |   |   |   |   |   |   |   |   |   |   |   |   | 1 |   |   |   |   |   |   |   |
| Nephropathy                             | 1 |   |   |   |   |   |   |   |   |   |   | 1 |   | 1 |   |   |   |   |   |   |   |   |   |   |   | 1 |
| Renal Tubule, Dilatation                | 1 |   |   | 1 |   |   |   |   |   |   | 1 |   |   |   |   |   | 1 |   |   |   |   |   | 1 |   |   | 1 |
| Urinary Bladder                         | + | + | + | + | + | + | + | + | + | + | + | A | + | A | + | + | + | + | + | + | + | + | + | + | + | + |

\* .. 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 | * TOTALS |
|-------------------------------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----------|
|                               | ANIMAL ID   | 4 | 5 | 5 | 5 | 5 | 5 | 0 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 4 | 5 | 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 |          |
|                               |             | 1 | 3 | 3 | 5 | 7 | 3 | 3 | 1 | 0 | 3 | 3 | 5 | 3 | 3 | 3 | 3 | 1 | 3 | 5 | 5 | 7 | 3 | 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 | 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 |          |
|                               |             | 7 | 7 | 7 | 7 | 8 | 8 | 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 | 7 | 8 |          |

**ALIMENTARY SYSTEM**

|                                  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |    |    |     |  |
|----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|----|----|-----|--|
| Esophagus                        | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |    |    |     |  |
| Foreign Body                     |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |    | 1  | 4.0 |  |
| Inflammation, Acute              |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |    | 2  | 1.5 |  |
| Necrosis                         |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |    | 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 |   |    |    | 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 |   |   |   |   |   |   |   | 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

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                               | 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 | 00       |     |   |     |
| Mixed Cell Focus                        |             |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 1        |     |   |     |
| Necrosis, Focal                         |             |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 2        | 2.5 |   |     |
| 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  | 4  | 48       | 3.9 |   |     |
| Hepatocyte, Necrosis                    |             |    |    | 1  | 3  | 4  |    | 0  | 0  | 3  | 4  | 4  | 1  | 4  | 4  | 4  | 4  | 5  | 4  | 3  | 3  | 3  | 7  | 4  | 3  | 4        | 3   | 1 | 2.0 |
| Kupffer Cell, Pigmentation              | 1           | 1  | 2  |    | 1  |    |    |    |    | 1  | 1  |    | 2  | 2  |    | 1  |    | 1  | 1  | 2  | 2  | 1  | 1  | 1  | 1  | 25       | 1.3 |   |     |
| Mesentery                               |             |    | +  |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | +  |    | +  |    |    |    |    | 5        |     |   |     |
| Inflammation, Chronic                   |             |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 1  |    |    |    | 1        | 1.0 |   |     |
| Artery, Inflammation, Chronic Active    |             |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 2        | 3.0 |   |     |
| Fat, Necrosis                           |             |    | 2  |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 2  |    |    |    |    | 2        | 2.0 |   |     |
| Pancreas                                | +           | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | 50       |     |   |     |
| Degeneration                            |             |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 1        | 3.0 |   |     |
| Hemorrhage                              |             |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 1        | 2.0 |   |     |
| Inflammation, Chronic                   |             |    |    |    |    |    | 1  |    | 1  |    | 1  |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 8        | 1.0 |   |     |
| Salivary Glands                         | +           | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | 50       |     |   |     |
| Hyperplasia, Lymphoid                   |             |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 1        | 1.0 |   |     |
| Infiltration Cellular, Mononuclear Cell |             | 1  | 1  |    |    | 1  |    |    | 1  | 1  |    | 1  | 1  |    | 1  | 1  |    | 1  |    |    |    | 1  | 1  | 1  |    | 21       | 1.0 |   |     |
| Mineralization                          |             |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 1  | 1        | 1.0 |   |     |
| Stomach, Forestomach                    | +           | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | 50       |     |   |     |
| Erosion                                 |             |    |    |    | 3  |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 4  |    | 3        | 3.0 |   |     |
| Inflammation                            |             | 2  | 2  | 1  |    | 2  |    | 2  | 1  |    |    |    |    | 2  |    | 2  |    |    |    |    |    | 2  |    | 1  |    | 19       | 1.7 |   |     |
| Mineralization                          |             |    |    |    |    |    |    |    |    |    |    |    |    | 2  |    |    |    |    |    |    |    |    |    |    |    | 1        | 2.0 |   |     |
| Ulcer                                   |             | 2  | 2  |    |    |    |    | 4  |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 2  |    | 11       | 2.5 |   |     |
| Epithelium, Hyperplasia                 |             | 4  | 4  | 3  | 4  | 3  |    | 4  | 3  | 2  | 1  | 2  |    | 2  |    | 4  |    |    |    |    |    |    | 4  | 2  | 4  | 29       | 2.9 |   |     |
| Stomach, Glandular                      | +           | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | 50       |     |   |     |
| Erosion                                 |             | 3  |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 2        | 2.5 |   |     |
| Hemorrhage                              |             |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 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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Pentabromodiphenyl oxide (technical) (DE 71)

CAS Number: 32534-81-9

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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               | 5 | 5 | 5 | 5 | 5 | 0 | 5 | 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 | 8 |  |
|                         | 1               | 3 | 3 | 5 | 7 | 3 | 3 | 1 | 0 | 3 | 3 | 5 | 3 | 3 | 3 | 3 | 1 | 3 | 5 | 5 | 7 | 3 | 5 | 3 | 8 |   |  |
| <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 | 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 | 2 |  |
|                         | 7               | 7 | 7 | 7 | 8 | 8 | 8 | 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 | 9 | 0 |   |  |
|                         | <b>* TOTALS</b> |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |

|                |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |              |
|----------------|---|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--------------|
| Mineralization | 2 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | <b>2 1.5</b> |
| Ulcer          |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | <b>1 4.0</b> |

|             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |              |
|-------------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--------------|
| Tongue      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | <b>1</b>     |
| Angiectasis |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | <b>1 1.0</b> |

|                     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |              |
|---------------------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--------------|
| Tooth               |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | <b>1</b>     |
| Inflammation, Acute |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | <b>1 3.0</b> |

**CARDIOVASCULAR SYSTEM**

|                |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |              |
|----------------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--------------|
| Blood Vessel   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | <b>50</b>    |
| Heart          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | <b>50</b>    |
| Cardiomyopathy |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | <b>1 1.0</b> |
| Mineralization |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | <b>5 1.8</b> |

**ENDOCRINE SYSTEM**

|                                   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |               |
|-----------------------------------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|---------------|
| Adrenal Cortex                    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | <b>48</b>     |
| Accessory Adrenal Cortical Nodule |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | <b>1 2.0</b>  |
| Degeneration, Fatty               |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | <b>2 1.0</b>  |
| Hypertrophy, Focal                |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | <b>3 2.0</b>  |
| Hypertrophy, Diffuse              |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | <b>20 1.4</b> |
| Vacuolization Cytoplasmic         |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | <b>1 2.0</b>  |
| Capsule, Fibrosis                 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | <b>1 2.0</b>  |
| Capsule, Hemorrhage               |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | <b>1 2.0</b>  |
| Capsule, Hyperplasia              |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | <b>41 1.6</b> |

|                 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |              |
|-----------------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--------------|
| Adrenal Medulla |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | <b>48</b>    |
| Hyperplasia     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | <b>1 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  
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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

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>4<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      |                       |                       |
| 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 |
| Islets, Pancreatic<br>Hyperplasia       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | 50<br>6 1.0           |
| Parathyroid Gland                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | 44                    |
| Pituitary Gland<br>Pars Distalis, Cyst  |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | 44<br>1 2.0           |
| Pars Distalis, Hyperplasia, Focal       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | 1 2.0                 |
| Thyroid Gland<br>Follicle, Cyst         |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | 49<br>1               |
| Follicle, Degeneration                  |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | 6 1.3                 |
| Follicle, Hypertrophy                   |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | 45 2.4                |
| <b>GENERAL BODY SYSTEM</b>              |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |
| Tissue NOS                              |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | 1                     |
| <b>GENITAL SYSTEM</b>                   |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |
| Epididymis<br>Fibrosis                  |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | 50<br>1 2.0           |
| Inflammation, Chronic                   |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | 7 1.1                 |
| Preputial Gland<br>Cyst                 |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | 50<br>3 1.3           |
| Inflammation, Acute                     |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | 1 2.0                 |
| Inflammation, Chronic                   |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | 5 1.2                 |
| Prostate<br>Inflammation, Granulomatous |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | 50<br>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

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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 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  | 44  | 1.7 |
| Lymph Node, Mesenteric<br>Atrophy                        | M           | +  | +  | +  | I  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +        | +  | 47  | 3   | 2.0 |
| Ectasia  |             |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 2  |    |    |    | 2        |    | 2   | 2   | 2.0 |
| Hemorrhage   |             |    |    | 3  |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |          | 1  |     | 8   | 2.3 |
| Hyperplasia, Lymphoid                                    |             |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |          |    |     | 1   | 2.0 |
| Infiltration Cellular, Polymorphonuclear<br>Pigmentation |             |    |    | 1  |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |          |    |     | 1   | 2.0 |
| Spleen   | A           | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +        | +  | 47  | 25  | 1.8 |
| Hematopoietic Cell Proliferation                         |             |    | 1  | 2  | 2  | 2  | 2  | 2  | 1  |    |    | 2  | 3  |    | 1  |    | 4  | 1  | 4  | 3  |          | 2  | 1   | 1   | 3.0 |
| Infiltration Cellular, Eosinophil                        |             |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 3  |    |    |          |    |     | 1   | 3.0 |

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

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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 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |   |   |
|                         |             | 4               | 5 | 5 | 5 | 5 | 5 | 0 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 4 | 5 | 5 | 5 | 4 | 5 | 5 | 5 | 5 | 5 |   |   |
|                         |             | 5               | 4 | 4 | 1 | 3 | 4 | 0 | 0 | 3 | 4 | 4 | 1 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | 4 | 3 | 3 | 3 | 7 | 4 | 3 | 3 | 4 | 3 | 4 | 3 | 8 |   |
|                         |             | 1               | 3 | 3 | 5 | 7 | 3 | 3 | 1 | 0 | 3 | 3 | 5 | 3 | 3 | 3 | 3 | 1 | 3 | 5 | 5 | 7 | 3 | 5 | 5 | 7 | 3 | 5 | 3 | 4 | 3 | 3 | 8 | 8 | 8 |   |
| <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 | 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 | 2 | 2 |   |
|                         |             | 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 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 0 | 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 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 0 |   |
|                         |             | <b>* TOTALS</b> |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |

|                                   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |           |            |            |
|-----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------|------------|------------|
| 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 |   |   | M | + | + |   |   |   | + | + | + | + | + | + | + | + |   | <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> |

**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 | + | + | <b>4</b> |            |  |
| Skin                         | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | +        | <b>50</b>  |  |
| Fibrosis                     |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | <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               |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | <b>1</b> | <b>1.0</b> |  |
| Inflammation, Acute          |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | <b>1</b> | <b>1.0</b> |  |
| Inflammation, Chronic        |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | <b>2</b> | <b>1.0</b> |  |
| Inflammation, Chronic Active |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | <b>1</b> | <b>2.0</b> |  |
| Thrombosis                   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | <b>1</b> | <b>2.0</b> |  |
| Ulcer                        |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | <b>4</b> | <b>4.0</b> |  |
| Epidermis, Tail, Hyperplasia |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | <b>1</b> | <b>1.0</b> |  |

**MUSCULOSKELETAL SYSTEM**

|      |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |           |  |
|------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------|--|
| 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

| 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 | ANIMAL ID |  |  |
|-------------------------------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------|--|--|
|                               |             | 4 | 5 | 5 | 5 | 5 | 5 | 0 | 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 | 0         |  |  |
|                               | 1           | 3 | 3 | 5 | 7 | 3 | 3 | 1 | 0 | 3 | 3 | 5 | 3 | 3 | 3 | 1 | 3 | 5 | 5 | 7 | 3 | 5 | 3 | 8 | 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         |  |  |
|                               | 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         |  |  |
|                               | 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 | 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                      |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    | 1 | 3.0 |
| Hemorrhage                        | 3 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    | 3 | 1.7 |
| Hyperplasia                       |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    | 1 | 1.0 |
| Infiltration Cellular, Histiocyte |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    | 1 | 1.0 |
| Inflammation, Acute               |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    | 1 | 2.0 |
| Inflammation, Chronic             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    | 1 | 1.0 |
| Metaplasia, Osseous               |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    | 1 | 1.0 |
| Mineralization                    |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    | 2 | 1.0 |
| Alveolar Epithelium, Hypertrophy  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    | 1 | 1.0 |
| Nose                              | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |   |     |
| Foreign Body                      |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    | 5 | 2.0 |
| Inflammation, Acute               | 2 |   | 1 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    | 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  
 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      | * TOTALS |
|---|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--------|----------|
|   | 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      |          |
| 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 | 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<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 |
| ANIMAL ID                     | 0001        | 0002 | 0003 | 0004 | 0005 | 0006 | 0007 | 0008 | 0009 | 0010 | 0011 | 0012 | 0013 | 0014 | 0015 | 0016 | 0017 | 0018 | 0019 | 0020 | 0001                 | 0002 | 0003 | 0004 | 0005 |

**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   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | X |
| Eosinophilic Focus                                       |   |   |   |   |   |   |   |   |   | X |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Fatty Change   |   |   |   |   |   | 1 |   |   | 1 |   |   |   | 3 |   |   | 2 |   |   | 2 | 1 | 2 | 1 |   |   |   |
| Fibrosis   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Hematopoietic Cell Proliferation                         |   |   |   |   |   |   |   |   |   |   |   | 1 | 1 |   |   | 1 |   |   | 1 |   |   |   | 1 |   |   |
| Hemorrhage   |   |   |   |   |   |   |   |   | 1 |   |   |   |   |   |   | 2 |   |   |   |   | 2 |   |   |   |   |
| Inflammation, Chronic                                    | 1 |   | 2 | 1 | 1 | 1 | 1 | 2 |   | 1 |   |   |   | 2 |   | 1 |   |   | 1 | 1 | 1 | 1 | 1 |   | 1 |
| Necrosis, Focal  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |

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

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

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 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 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           | 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 | 9 | 5 | 8 | 3                    |   |
|                                    | 3           | 4 | 7 | 0 | 3 | 2 | 2 | 2 | 9 | 2 | 2 | 0 | 9 | 2 | 2 | 7 | 8 | 3 | 3 | 3 | 2 | 8 | 6 | 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 | 0                    |   |
|                                    | 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                    |   |
|                                    | 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 |
| Mineralization                     | 1           |   |   |   |   |   |   | 2 |   |   |   |   |   |   | 2 |   |   |   |   |   |   | 1 |   |                      |   |
| Epithelium, Vacuolization          |             |   |   |   |   |   |   |   |   |   |   | 2 |   |   |   |   |   |   |   |   |   |   |   |                      |   |
| Cytoplasmic Glands, Ectasia, Focal |             |   |   |   |   |   |   |   |   |   |   |   | 2 |   |   |   |   |   |   |   |   |   |   |                      |   |

**CARDIOVASCULAR SYSTEM**

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

**ENDOCRINE SYSTEM**

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

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 |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | 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    | +    | +    | +    | +                    |      |  |
| Pars Distalis, Hyperplasia          |             |      |      |      | 1    |      |      |      |      | 2    | 2    |      |      | 2    | 1    |      | 3    |      |      |      |      |      |      | 1    |                      |      |  |
| Rathke's Cleft, Cyst                |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |                      |      |  |
| Thyroid Gland Inflammation, Chronic | +           | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +                    |      |  |
| Follicle, Cyst                      |             |      |      |      |      |      |      |      |      |      |      |      |      |      | X    |      |      |      |      |      |      |      |      |      |                      |      |  |
| Follicle, Degeneration              |             |      | 2    | 1    |      | 2    | 1    |      | 1    |      |      | 3    |      | 3    | 1    | 3    | 2    | 2    |      | 2    | 4    | 4    | 2    |      |                      |      |  |
| 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                    |      |  |
| Inflammation, Acute                 |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |                      |      |  |
| Inflammation, Chronic Active        |             |      |      | 1    |      | 1    |      |      |      |      |      |      |      | 1    |      |      |      |      |      |      |      | 1    |      |      |                      |      |  |
| Ovary Abscess, Chronic Active       | +           | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | M    | +    | +    | +    | +    | +    | +    | +    | +                    |      |  |
| Angiectasis                         |             |      |      |      |      |      |      |      |      |      |      | 4    |      |      |      |      |      |      |      |      |      | 2    |      |      |                      |      |  |
| Cyst                                |             |      | 2    | 2    |      |      |      |      |      | 2    |      |      |      |      |      |      |      |      |      |      | 2    |      | 2    |      |                      |      |  |
| Uterus                              | +           | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +                    |      |  |

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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 FEMALE<br>0 MG/KG | DAY ON TEST |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     | ANIMAL ID | females<br>(cont...) |     |
|-------------------------------|-------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----------|----------------------|-----|
|                               | 0733        | 004 | 067 | 066 | 077 | 077 | 077 | 077 | 057 | 077 | 077 | 033 | 055 | 077 | 077 | 055 | 044 | 077 | 077 | 033 | 033 | 033 | 006 | 066 | 066 |           |                      | 066 |
|                               | 0           | 0   | 0   | 0   | 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                    | 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   |
|                               | 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   |           |                      |     |

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

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

2

2

2

2

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

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

+ .. Tissue examined microscopically

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Lab: SRI

| B6C3F1 MICE FEMALE<br>0 MG/KG               | DAY ON TEST |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | females<br>(cont...) |      |      |      |      |
|---|-------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|----------------------|------|------|------|------|
|   | 0733        | 0004 | 0067 | 0068 | 0073 | 0077 | 0077 | 0077 | 0077 | 0057 | 0077 | 0077 | 0033 | 0057 | 0077 | 0077 | 0057 | 0044 | 0077 | 0077 | 0077 |                      | 0066 | 0066 | 0066 | 0066 |
| 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 |
| Lymph Node, Mesenteric Atrophy              | +           | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +                    | +    | +    | +    | +    |
| Hyperplasia, Lymphoid                       |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |                      |      |      |      |      |
| Hyperplasia, Plasma Cell                    |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |                      |      |      |      |      |
| Spleen Atrophy                              | +           | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +                    | +    | +    | +    | +    |
| Hematopoietic Cell Proliferation            |             |      |      | 2    | 3    | 2    |      |      |      |      |      | 1    |      | 3    | 1    | 2    |      |      |      |      |      | 2                    |      |      | 3    |      |
| Necrosis                                    |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |                      |      |      | 4    |      |
| Pigmentation                                | 2           |      |      | 1    | 1    |      | 1    | 1    | 3    | 1    |      |      | 1    | 2    |      |      | 2    | 2    | 2    | 2    | 3    |                      |      |      |      |      |
| Lymphoid Follicle, Atrophy                  |             |      |      |      |      |      |      |      |      |      |      | 2    |      |      |      |      |      |      |      |      |      |                      |      |      |      |      |
| Lymphoid Follicle, Hyperplasia              |             |      |      | 2    |      |      | 1    |      |      | 1    |      |      |      |      |      |      |      |      |      |      |      |                      |      |      |      |      |
| Lymphoid Follicle, Hyperplasia, Plasma Cell |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |                      |      |      |      |      |
| Lymphoid Follicle, Hyperplasia, Focal       | 2           |      |      |      |      |      |      |      |      |      |      |      |      | 2    |      |      |      |      |      |      |      |                      |      |      |      |      |
| Thymus Atrophy                              | +           | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +                    | +    | +    | +    | +    |
| Cyst  |             |      | 1    |      | 4    |      | 1    |      | 4    | 1    | 2    | 4    | 3    |      |      | 1    | 2    |      | 1    |      |      | 2                    |      |      | 3    |      |
| Hyperplasia, Lymphoid                       |             |      |      | 1    |      | 1    |      |      |      | 2    |      |      |      |      | 4    | 2    |      |      | 1    | 2    | 2    |                      |      |      |      |      |
| Mineralization                              |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |                      |      |      | 1    |      |
| Necrosis, Lymphoid                          |             |      |      |      |      |      |      |      | 1    |      |      |      |      |      |      | 2    |      |      |      |      |      |                      |      |      |      |      |

**INTEGUMENTARY SYSTEM**

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

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

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

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

**MUSCULOSKELETAL SYSTEM**

|                      |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|----------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Bone                 | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |   |
| Fibro-Osseous Lesion | 1 |   |   |   | 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 | 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           | 0 | 6 | 6 | 7 | 7 | 7 | 7 | 5 | 7 | 7 | 3 | 5 | 7 | 7 | 5 | 4 | 7 | 7 | 7 | 6 | 6 | 6 | 6 |           |                      | 7 |
|                               | 3           | 0 | 9 | 8 | 3 | 3 | 3 | 3 | 7 | 3 | 3 | 4 | 8 | 3 | 3 | 8 | 3 | 3 | 3 | 3 | 9 | 5 | 8 | 3 | 0         |                      |   |
|                               | 3           | 4 | 7 | 0 | 3 | 2 | 2 | 2 | 9 | 2 | 2 | 0 | 9 | 2 | 2 | 7 | 8 | 3 | 3 | 3 | 2 | 8 | 6 | 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                    |   |
|                               | 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         | 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         | 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         | 0                    |   |

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

\* .. 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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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

| 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    |                      |      |
| Artery, Inflammation, Chronic Interstitium, Inflammation, Chronic Renal Tubule, Accumulation, Hyaline Droplet |             |      |           |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | 2                    |      |
| 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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Lab: SRI

| B6C3F1 MICE FEMALE | DAY ON TEST |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |   | * TOTALS |
|--------------------|-------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|---|----------|
|                    | 0733        | 0733 | 0733 | 0733 | 0733 | 0733 | 0683 | 0733 | 0733 | 0733 | 0573 | 0733 | 0733 | 0733 | 0733 | 0663 | 0663 | 0733 | 0733 | 0733 | 0663 | 0733 | 0733 |   |          |
| 0 MG/KG            | 0022        | 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 |          |

**ALIMENTARY SYSTEM**

|  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |                      |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----------------------|
| Esophagus<br>Necrosis<br>Muscularis, Degeneration        | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50<br>1 1.0<br>1 2.0 |
| Gallbladder  | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | 44                   |
| Intestine Large, Cecum                                   | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | 46                   |
| Intestine Large, Colon                                   | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | 47                   |
| Intestine Large, Rectum                                  | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | 47                   |
| Intestine Small, Duodenum                                | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | 46                   |
| Intestine Small, Ileum<br>Hyperplasia, Lymphoid<br>Ulcer | + | + | + | + | 2 | + | A | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | 46<br>1 2.0<br>1 4.0 |
| Intestine Small, Jejunum                                 | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | 46                   |
| Liver  | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50                   |
| Basophilic Focus   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1                    |
| Eosinophilic Focus                                       |   | X |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | X |   |   | 3                    |
| Fatty Change   |   | 1 |   |   |   | 1 | 2 | 1 |   |   |   | 1 |   |   | 1 | 1 | 1 | 2 |   |   |   |   | 1 | 18 1.4               |
| Fibrosis   |   |   |   |   |   |   |   |   |   |   |   |   | 4 |   |   |   |   |   |   |   |   |   |   | 1 4.0                |
| Hematopoietic Cell Proliferation                         |   | 1 | 1 |   |   |   |   |   |   |   |   |   |   | 1 |   | 1 |   |   | 2 | 1 |   | 1 |   | 13 1.1               |
| Hemorrhage   |   | 1 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 4 1.5                |
| Inflammation, Chronic                                    | 1 | 1 |   |   | 2 | 2 |   | 2 | 1 | 1 |   |   | 1 | 1 |   |   | 1 |   |   | 1 | 1 | 2 | 1 | 32 1.2               |
| Necrosis, Focal  | 1 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1 1.0                |

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X .. Lesion present A .. Autolysis precludes evaluation 1) Minimal 3) Moderate  
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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 | 0023 | 0023 | 0023 | 0023 | 0023 | 0023 | 0023 | 0023 | 0023 | 0023 | 0023 | 0023 | 0023 | 0023 | 0023 | 0023 | 0023 | 0023 |    |          |
| 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    |      | 2    |      |      | 1    |      | 1    |      | 1    |      |      |      |      |      |      | 2    | 1    | 29 |          |
| Salivary Glands                         |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | 50 |          |
| Atrophy                                 |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | 1  |          |
| Infiltration Cellular, Mononuclear Cell |             |      |      | 1    |      | 1    |      | 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  |          |

\* .. 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

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

|                                       |   |  |  |  |  |  |  |  |  |  |  |  |   |  |   |              |  |  |  |  |  |  |  |  |   |              |
|---------------------------------------|---|--|--|--|--|--|--|--|--|--|--|--|---|--|---|--------------|--|--|--|--|--|--|--|--|---|--------------|
| Mineralization                        |   |  |  |  |  |  |  |  |  |  |  |  |   |  |   |              |  |  |  |  |  |  |  |  | 2 | <b>5 1.6</b> |
| Epithelium, Vacuolization Cytoplasmic |   |  |  |  |  |  |  |  |  |  |  |  |   |  |   |              |  |  |  |  |  |  |  |  |   | <b>1 2.0</b> |
| Glands, Ectasia, Focal                | 2 |  |  |  |  |  |  |  |  |  |  |  | 2 |  | 3 | <b>4 2.3</b> |  |  |  |  |  |  |  |  |   |              |

CARDIOVASCULAR SYSTEM

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

ENDOCRINE SYSTEM

|                                   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |              |   |   |   |   |   |   |   |   |   |           |   |           |
|-----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--------------|---|---|---|---|---|---|---|---|---|-----------|---|-----------|
| Adrenal Cortex                    | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | +            | + | + | + | + | + | + | + | + | + | +         | + | <b>50</b> |
| Accessory Adrenal Cortical Nodule |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 2 | <b>5 2.0</b> |   |   |   |   |   |   |   |   |   |           |   |           |
| Degeneration, Fatty               |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1 | <b>3 1.7</b> |   |   |   |   |   |   |   |   |   |           |   |           |
| Hemorrhage                        |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 2 | <b>1 2.0</b> |   |   |   |   |   |   |   |   |   |           |   |           |
| Hyperplasia                       |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | <b>1 2.0</b> |   |   |   |   |   |   |   |   |   |           |   |           |
| Hypertrophy, Focal                |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 2 | <b>7 1.4</b> |   |   |   |   |   |   |   |   |   |           |   |           |
| Capsule, Hyperplasia              | 3 | 3 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 3 | 3 | 2 | 2 | 2 | 2 | 4 | 2 | 2 | 2 | 2 | 3 | 2 | 2 | 2 | 3 | 2            | 2 | 3 | 2 | 3 | 2 | 3 | 3 | 3 | 4 | <b>49</b> |   |           |
| Adrenal Medulla                   | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | +            | + | + | + | + | + | + | + | + | + | +         | + | <b>49</b> |
| Hyperplasia                       |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | <b>1 1.0</b> |   |   |   |   |   |   |   |   |   |           |   |           |
| Islets, Pancreatic                | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | +            | + | + | + | + | + | + | + | + | + | +         | + | <b>50</b> |
| Hyperplasia                       |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1 | <b>3 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 FEMALE<br>0 MG/KG       | DAY ON TEST |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | * TOTALS |      |      |      |      |    |    |     |     |     |
|-------------------------------------|-------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|----------|------|------|------|------|----|----|-----|-----|-----|
|                                     | 0733        | 0733 | 0733 | 0733 | 0733 | 0732 | 0673 | 0772 | 0772 | 0772 | 0573 | 0773 | 0773 | 0773 | 0773 | 0668 | 0667 | 0773 | 0773 | 0773 |          | 0669 | 0773 | 0773 | 0773 |    |    |     |     |     |
| ANIMAL ID                           | 0022        | 0022 | 0022 | 0022 | 0023 | 0023 | 0023 | 0023 | 0023 | 0023 | 0023 | 0023 | 0023 | 0023 | 0023 | 0023 | 0023 | 0023 | 0023 | 0023 | 0023     | 0023 | 0023 | 0023 |      |    |    |     |     |     |
| Parathyroid Gland Cyst              | +           | +    | +    | +    | M    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | M    | +    | M    | M    | +        | +    | +    | +    | +    | 44 |    |     |     |     |
|                                     |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |          |      |      |      |      | 2  | 2  | 2.0 |     |     |
| Pituitary Gland Pars Distalis, Cyst | +           | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +        | +    | +    | +    | +    | 50 |    |     |     |     |
| Pars Distalis, Hyperplasia          |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |          |      |      |      |      | 2  | 2  | 2.0 |     |     |
| Rathke's Cleft, Cyst                |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |          |      |      |      |      | 1  | 1  | 1.7 |     |     |
|                                     |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |          |      |      |      |      | 2  | 2  | 2.0 |     |     |
| Thyroid Gland Inflammation, Chronic | +           | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +        | +    | +    | +    | +    | 50 |    |     |     |     |
| Follicle, Cyst                      |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |          |      |      |      |      | 1  | 1  | 1.0 |     |     |
| Follicle, Degeneration              |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |          |      |      |      |      | X  | 2  | 2   | 2.0 |     |
| Follicle, Hypertrophy               | 2           | 2    | 1    | 2    |      | 2    | 1    |      | 2    | 3    |      | 2    | 1    | 1    |      | 2    | 2    | 2    | 1    | 1    | 1        | 2    |      | 2    |      | 34 | 34 | 1.9 |     |     |
|                                     | 1           | 1    | 1    |      |      |      |      |      | 1    |      | 3    |      | 1    | 1    |      | 1    |      |      |      |      |          | 2    |      |      |      |    | 24 | 24  | 1.3 |     |
| <b>GENERAL BODY SYSTEM</b>          |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |          |      |      |      |      |    |    |     |     |     |
| Tissue NOS                          |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |          |      |      |      |      |    |    | 1   |     |     |
| <b>GENITAL SYSTEM</b>               |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |          |      |      |      |      |    |    |     |     |     |
| Clitoral Gland Cyst                 | +           | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +        | +    | +    | +    | +    | +  | 49 |     |     |     |
| Inflammation, Acute                 |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |          |      |      |      |      |    | 2  | 1   | 2.0 |     |
| Inflammation, Chronic Active        |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |          |      |      |      |      |    | 4  | 1   | 4.0 |     |
|                                     |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |          |      |      |      |      |    | 1  | 5   | 1.0 |     |
| Ovary Abscess, Chronic Active       | +           | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | M        | +    | +    | +    | +    | +  | 48 |     |     |     |
| Angiectasis                         |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |          |      |      |      |      |    |    | 1   | 1   | 4.0 |
| Cyst                                |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |          |      |      |      |      |    | 2  | 13  | 2.0 |     |
|                                     | 2           |      | 2    |      |      | 2    |      |      |      |      |      | 2    |      |      | 2    |      |      |      |      |      | 2        |      |      |      |      |    |    |     |     |     |
| Uterus                              | +           | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +        | +    | +    | +    | +    | +  | 50 |     |     |     |

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+ .. Tissue examined microscopically

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|                                   |             | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |                 |     |     |     |     |     |   |   |   |    |     |
|-----------------------------------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------------|-----|-----|-----|-----|-----|---|---|---|----|-----|
| B6C3F1 MICE FEMALE<br>0 MG/KG     | DAY ON TEST | 7 | 7 | 7 | 7 | 7 | 7 | 6 | 7 | 7 | 7 | 5 | 7 | 7 | 7 | 7 | 6 | 6 | 7 | 7 | 7 | 7 | 6 | 7 | 7               |     |     |     |     |     |   |   |   |    |     |
|                                   | ANIMAL ID   | 3 | 3 | 3 | 3 | 3 | 3 | 8 | 3 | 3 | 3 | 9 | 3 | 3 | 3 | 0 | 8 | 3 | 3 | 3 | 3 | 9 | 3 | 3 | 3               |     |     |     |     |     |   |   |   |    |     |
|                                   | ANIMAL ID   | 3 | 3 | 3 | 3 | 3 | 2 | 3 | 2 | 2 | 2 | 3 | 1 | 1 | 1 | 1 | 1 | 4 | 1 | 1 | 1 | 3 | 6 | 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 |                 |     |     |     |     |     |   |   |   |    |     |
|                                   |             | 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 | 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 | 9 |                 |     |     |     |     |     |   |   |   |    |     |
|                                   |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | <b>* TOTALS</b> |     |     |     |     |     |   |   |   |    |     |
| Angiectasis                       |             |   |   |   |   |   |   |   |   |   |   |   | 2 |   |   |   |   |   |   |   |   |   |   |   | 1               | 2.0 |     |     |     |     |   |   |   |    |     |
| Cyst                              |             |   |   |   |   |   |   |   |   |   |   |   | 2 |   |   |   |   |   |   |   |   |   |   |   | 2               | 2.0 |     |     |     |     |   |   |   |    |     |
| Edema                             |             |   |   |   |   |   |   |   |   |   |   |   | 2 |   |   |   |   |   |   |   |   |   |   |   | 1               | 3.0 |     |     |     |     |   |   |   |    |     |
| Hemorrhage                        |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 4               | 1   | 4.0 |     |     |     |   |   |   |    |     |
| Hyperplasia, Cystic               |             | 4 | 1 | 4 | 4 | 2 | 2 |   | 2 | 4 | 3 | 1 | 1 | 1 | 1 | 2 | 2 |   | 2 | 4 | 4 | 2 |   | 3 | 3               | 2   | 45  | 2.5 |     |     |   |   |   |    |     |
| Inflammation, Histiocytic         |             |   |   |   |   |   |   |   |   |   |   |   | 3 |   |   |   |   |   |   |   |   |   |   |   | 1               | 3.0 |     |     |     |     |   |   |   |    |     |
| Inflammation, Acute               |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1               | 4.0 |     |     |     |     |   |   |   |    |     |
| Necrosis                          |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1               | 4.0 |     |     |     |     |   |   |   |    |     |
| Thrombosis                        |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 2               | 1   | 2.0 |     |     |     |   |   |   |    |     |
| <b>HEMATOPOIETIC SYSTEM</b>       |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |                 |     |     |     |     |     |   |   |   |    |     |
| Bone Marrow                       |             | + |   |   |   |   |   |   |   |   |   |   | + | + | + | + | + | + | + | + | + | + | + | + | +               | +   | +   | +   | +   | +   | + | + | + | 49 |     |
| Infiltration Cellular, Histiocyte |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 2               | 1   | 2.0 |     |     |     |   |   |   |    |     |
| Myeloid Cell, Hyperplasia         |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 2               | 1   | 2.0 |     |     |     |   |   |   |    |     |
| Lymph Node                        |             |   |   |   |   |   |   |   |   |   |   |   | + |   |   |   |   |   |   |   |   |   |   |   | +               | +   |     | +   | 9   |     |   |   |   |    |     |
| Ectasia                           |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |                 |     | 4   | 3   | 4.0 |     |   |   |   |    |     |
| Hemorrhage                        |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |                 |     | 2   | 3   | 2.7 |     |   |   |   |    |     |
| Pigmentation                      |             |   |   |   |   |   |   |   |   |   |   |   | 3 |   |   |   |   |   |   |   |   |   |   |   |                 |     | 3   | 3   | 3.0 |     |   |   |   |    |     |
| Iliac, Hyperplasia, Lymphoid      |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |                 |     | 3   | 1   | 4.0 |     |   |   |   |    |     |
| Lymph Node, Mandibular            |             | + |   |   |   |   |   |   |   |   |   |   | + | + | + | + | + | + | + | + | + | + | + | + | +               | +   | +   | +   | +   | +   | + | + | + | 48 |     |
| Atrophy                           |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 4               | 1   | 4.0 |     |     |     |   |   |   |    |     |
| Ectasia                           |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |                 |     | 1   | 1   | 2.0 |     |   |   |   |    |     |
| Fibrosis                          |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |                 |     | 1   | 1   | 2.0 |     |   |   |   |    |     |
| Hyperplasia, Lymphoid             |             |   |   |   |   |   |   |   |   |   |   |   | 3 | 2 |   |   |   |   |   |   |   |   |   |   |                 |     |     | 3   | 2   | 2.3 |   |   |   |    |     |
| Hyperplasia, Plasma Cell          |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1               |     | 1   | 1   | 1.0 |     |   |   |   |    |     |
| Inflammation, Chronic Active      |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |                 |     | 1   | 1   | 2.0 |     |   |   |   |    |     |
| Pigmentation                      |             | 2 | 3 | 1 | 4 | 1 | 2 | 2 | 1 | 2 |   |   |   |   |   |   |   |   |   |   |   |   |   | 2 | 2               | 3   | 1   | 2   | 4   | 1   | 2 | 2 |   | 36 | 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 FEMALE<br>0 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 |          |
|   | 7           | 7 | 7 | 7 | 7 | 7 | 6 | 7 | 7 | 7 | 5 | 7 | 7 | 7 | 7 | 6 | 6 | 7 | 7 | 7 |          |
| ANIMAL ID                                   | 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 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 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 |          |
| Lymph Node, Mesenteric                      | +           | M | + | + | + | + | + | + | I | + | + | + | + | + | + | + | + | + | + | + | 48       |
| Atrophy                                     |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1 2.0    |
| Hyperplasia, Lymphoid                       |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 3 |   |   | 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 | 35 1.6   |
| Lymphoid Follicle, Atrophy                  |             |   |   |   |   |   | 2 |   |   |   |   |   |   |   |   |   |   |   |   |   | 2 2.0    |
| Lymphoid Follicle, Hyperplasia              |             |   |   |   | 3 | 1 | 4 |   |   |   | 1 |   |   | 1 | 2 |   |   | 1 |   | 1 | 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 | 16 1.8   |
| Mineralization                              |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1 1.0    |
| Necrosis, Lymphoid                          |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 2 1.5    |
| <b>INTEGUMENTARY SYSTEM</b>                 |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |          |
| Mammary Gland                               | +           | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50       |
| Galactocele                                 | 1           | 2 | 1 | 1 | 1 |   | 1 |   |   |   | 2 | 2 |   | 2 |   | 1 | 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>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>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>7<br>3<br>3      | 0<br>6<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<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>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 | 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 4.0  
 Fibrosis 1 1.0  
 Hemorrhage 2 1 2 2 2 12 1.8  
 Infiltration Cellular, Histiocyte 1 2 4 1.3  
 Metaplasia, Osseous 1 1 2 1.0  
 Mineralization 1 3 1.0  
 Thrombosis 1 1.0

Nose + 50  
 Foreign Body X X X 4  
 Inflammation, Acute 1 2 1 2 6 1.5

Trachea + 50

**SPECIAL SENSES SYSTEM**

Eye + + + + + + A + + + + + + + + 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 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 |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | * 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 |
|   | 0022        | 0022 | 0022 | 0022 | 0022 | 0022 | 0022 | 0022 | 0022 | 0022 | 0022 | 0022 | 0022 | 0022 | 0022 | 0022 | 0022 | 0022 | 0022 | 0022 | 0022 | 0022 | 0022 | 0022 |          |
| Infiltration Cellular, Mononuclear Cell     | 1           | 1    | 1    | 2    | 1    | 1    |      | 1    | 1    | 1    |      | 1    |      | 1    | 1    | 1    | 1    | 1    | 1    | 1    | 1    | 1    | 1    | 1    | 38       |
| Mineralization                              |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      | 1    | 1    |      |      |      |      |      |      |      | 7        |
| Nephropathy                                 |             |      |      | 1    |      |      |      |      |      | 1    |      |      |      |      | 1    | 1    |      |      |      | 1    | 1    |      | 1    |      | 14       |
| Artery, Inflammation, Chronic               |             |      |      |      |      |      |      |      |      | 2    |      |      |      |      |      |      |      |      |      |      |      |      |      |      | 1        |
| Interstitial, Inflammation, Chronic         |             |      |      |      |      |      |      | 2    |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | 1        |
| Renal Tubule, Accumulation, Hyaline Droplet |             |      |      |      |      |      |      |      |      |      |      |      | 3    |      |      |      |      |      |      |      |      |      |      |      | 2        |
| Renal Tubule, Dilatation                    | 1           | 1    |      |      | 1    |      | 1    | 1    |      | 1    | 1    | 1    | 1    |      | 1    | 1    | 1    | 1    | 1    |      | 1    |      | 1    | 1    | 31       |
| Urinary Bladder                             | +           | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | 49       |
| Hyperplasia, Lymphoid                       |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | 2    |      | 1        |

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+ .. Tissue examined microscopically

X .. Lesion present

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Experiment Number: 20209 - 04  
 Test Type: CHRONIC  
 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 | DAY ON TEST |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | ANIMAL ID | females<br>(cont...) |
|--------------------|-------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-----------|----------------------|
|                    | 0732        | 0733 | 0734 | 0735 | 0736 | 0737 | 0738 | 0739 | 0740 | 0741 | 0742 | 0743 | 0744 | 0745 | 0746 | 0747 | 0748 | 0749 | 0750 | 0751 | 0752 | 0753 | 0754 | 0755 |           |                      |
| 3 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    | 0025      |                      |

**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   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Clear Cell Focus   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Eosinophilic Focus   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Eosinophilic Focus, Multiple                                   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Fatty Change   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Fibrosis   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Hematopoietic Cell Proliferation                               |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Hemorrhage   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Inflammation, Chronic  | 1 | 1 | 1 | 1 | 1 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |

\* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade  
 + .. Tissue examined microscopically  
 X .. Lesion present  
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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 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>2 | 0<br>7<br>3<br>4 |           |                      |
| 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

+ .. Tissue examined microscopically

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

| B6C3F1 MICE FEMALE<br>3 MG/KG          | DAY ON TEST |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | females<br>(cont...) |
|--|-------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|----------------------|
|  | 0732        | 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                              | 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 |                      |
| Ulcer Epithelium, Hyperplasia          | 1           |      |      |      | 1    |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |                      |
| Stomach, Glandular Inflammation, Acute | +           | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | A    | +    | +    | +    |                      |
| Mineralization                         |             |      |      |      | 1    |      |      | 1    |      |      |      |      |      |      |      |      |      |      |      |      | 2    |      |      |      |      |                      |
| Ulcer Glands, Ectasia, Focal           | 2           |      |      |      |      |      |      |      |      | 2    |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |                      |
| <b>CARDIOVASCULAR SYSTEM</b>           |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |                      |
| Blood Vessel                           | +           | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    |                      |
| Heart                                  | +           | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    |                      |
| Cardiomyopathy                         | 1           |      | 1    |      |      |      |      |      |      | 1    |      |      |      |      | 1    |      | 1    |      |      |      |      | 1    |      |      |      |                      |
| Inflammation, Chronic                  |             |      |      |      |      |      |      |      |      |      |      |      |      |      | 1    |      |      |      |      |      |      |      |      |      |      |                      |
| Mineralization                         |             |      | 1    |      |      |      |      | 2    |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |                      |
| <b>ENDOCRINE SYSTEM</b>                |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |                      |
| Adrenal Cortex                         | +           | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    |                      |
| Accessory Adrenal Cortical Nodule      |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | 2    | 2    |      |      |      |      |      |      |      |                      |
| Degeneration, Fatty                    |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |                      |
| 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    | 2    | 3    |                      |
| Adrenal Medulla                        | +           | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    |                      |
| Pigmentation                           |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |                      |

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

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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

| 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      |                       |                       |
| Islets, Pancreatic<br>Hyperplasia   | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | A                     | +                     |                       |
| Parathyroid Gland<br>Cyst   | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     |                       |
| Pituitary Gland<br>Pars Distalis, Angiectasis<br>Pars Distalis, Hyperplasia   | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     |                       |                       |
| Thyroid Gland<br>Infiltration Cellular, Mononuclear Cell<br>Inflammation, Chronic<br>Follicle, Cyst<br>Follicle, Degeneration<br>Follicle, Degeneration, Focal<br>Follicle, Hypertrophy | 2<br>1<br>1<br>1<br>2 | 2<br>1<br>1<br>2<br>1 | 2<br>1<br>1<br>2<br>1 | 2<br>1<br>1<br>2<br>1 | 4<br>1<br>1<br>2<br>1 | 2<br>1<br>1<br>2<br>1 | 2<br>1<br>1<br>2<br>1 | 4<br>1<br>1<br>2<br>1 | 2<br>1<br>1<br>2<br>1 | 4<br>1<br>1<br>2<br>1 | 2<br>1<br>1<br>2<br>1 | 1<br>1<br>1<br>2<br>1 | 1<br>1<br>1<br>2<br>1 | 1<br>1<br>1<br>2<br>1 | 2<br>1<br>1<br>2<br>1 | 2<br>1<br>1<br>2<br>1 | 2<br>1<br>1<br>2<br>1 | 2<br>1<br>1<br>2<br>1 | 2<br>1<br>1<br>2<br>1 | 2<br>1<br>1<br>2<br>1 | 2<br>1<br>1<br>2<br>1 | 2<br>1<br>1<br>2<br>1 | 2<br>1<br>1<br>2<br>1 | 2<br>1<br>1<br>2<br>1 | 2<br>1<br>1<br>2<br>1 | 3<br>3<br>3<br>3<br>3 |

**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  
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|-----------------------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
|                                   | 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>7<br>3<br>3      | 0<br>6<br>8<br>4      | 0<br>7<br>3<br>3      | 0<br>7<br>3<br>3      | 0<br>6<br>8<br>7      | 0<br>5<br>9<br>0      | 0<br>7<br>3<br>2      | 0<br>6<br>7<br>4      | 0<br>7<br>3<br>2      |                       |                       |
| ANIMAL ID                         | 0<br>0<br>2<br>5<br>1 | 0<br>0<br>2<br>5<br>2 | 0<br>0<br>2<br>5<br>3 | 0<br>0<br>2<br>5<br>4 | 0<br>0<br>2<br>5<br>5 | 0<br>0<br>2<br>5<br>6 | 0<br>0<br>2<br>5<br>7 | 0<br>0<br>2<br>5<br>8 | 0<br>0<br>2<br>5<br>9 | 0<br>0<br>2<br>6<br>0 | 0<br>0<br>2<br>6<br>1 | 0<br>0<br>2<br>6<br>2 | 0<br>0<br>2<br>6<br>3 | 0<br>0<br>2<br>6<br>4 | 0<br>0<br>2<br>6<br>5 | 0<br>0<br>2<br>6<br>6 | 0<br>0<br>2<br>6<br>7 | 0<br>0<br>2<br>6<br>8 | 0<br>0<br>2<br>6<br>9 | 0<br>0<br>2<br>6<br>0 | 0<br>0<br>2<br>6<br>1 | 0<br>0<br>2<br>6<br>2 | 0<br>0<br>2<br>6<br>3 | 0<br>0<br>2<br>6<br>4 | 0<br>0<br>2<br>6<br>5 |
| 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 | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     |
| Hemorrhage                        | 2                     |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |
| Hyperplasia, Lymphoid             |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |
| Spleen                            | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     |                       |
| Accessory Spleen                  |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |
| Hematopoietic Cell Proliferation  |                       |                       |                       |                       | 3                     |                       | 4                     |                       |                       |                       |                       |                       |                       |                       | 3                     |                       |                       |                       |                       | 2                     | 2                     | 1                     |                       |                       |                       |
| Pigmentation                      | 2                     |                       | 2                     | 2                     | 4                     |                       |                       | 2                     |                       | 1                     | 2                     | 1                     | 1                     | 2                     | 1                     |                       |                       |                       | 2                     |                       | 2                     | 1                     |                       | 2                     |                       |
| Lymphoid Follicle, Atrophy        |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | 1                     |                       |                       |                       |
| Lymphoid Follicle, Hyperplasia    | 1                     | 1                     |                       |                       |                       |                       |                       |                       |                       | 2                     | 1                     | 1                     |                       |                       |                       | 1                     |                       | 1                     | 1                     |                       | 1                     |                       | 1                     |                       |                       |
| Thymus                            | +                     | +                     | M                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     |                       |
| Atrophy                           | 2                     | 1                     |                       | 1                     | 1                     | 1                     | 4                     |                       |                       |                       |                       |                       |                       |                       |                       | 1                     | 1                     |                       |                       |                       | 2                     | 1                     | 4                     | 2                     |                       |
| Cyst                              |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | 2                     |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |
| Hyperplasia, Lymphoid             |                       |                       | 1                     |                       | 1                     | 2                     |                       |                       |                       | 2                     | 1                     |                       |                       |                       | 2                     |                       |                       |                       | 1                     | 2                     |                       |                       |                       | 2                     |                       |
| Necrosis, Lymphoid                |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | 1                     |                       |

**INTEGUMENTARY SYSTEM**

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

\* .. 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 |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | females<br>(cont...) |      |
|---|-------------|-----------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|----------------------|------|
|   |             | 0732      | 0732 | 0732 | 0732 | 0732 | 0732 | 0732 | 0732 | 0732 | 0732 | 0732 | 0732 | 0732 | 0732 | 0732 | 0732 | 0732 | 0732 | 0732 | 0732 | 0732 | 0732 | 0732 | 0732 |                      | 0732 |
| 3 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    |
|   |             | 7         | 7    | 7    | 7    | 6    | 7    | 5    | 7    | 7    | 7    | 7    | 7    | 7    | 7    | 7    | 6    | 7    | 7    | 7    | 6    | 7    | 5    | 7    | 6    | 7                    | 7    |
|   |             | 3         | 3    | 3    | 3    | 3    | 3    | 6    | 3    | 3    | 3    | 3    | 3    | 3    | 3    | 3    | 8    | 3    | 3    | 3    | 8    | 3    | 9    | 3    | 7    | 3                    | 3    |
|   |             | 2         | 2    | 2    | 2    | 4    | 3    | 8    | 3    | 3    | 3    | 2    | 2    | 2    | 2    | 2    | 4    | 1    | 1    | 0    | 7    | 2    | 0    | 2    | 4    | 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    |
|   |             | 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    |
|   |             | 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                    | 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                    | 5    |
| 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    | 2    | 1    |      |      |      | 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

| B6C3F1 MICE FEMALE | 3 MG/KG | DAY ON TEST |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | * TOTALS |      |
|--------------------|---------|-------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|----------|------|
|                    |         | 0733        | 0733 | 0733 | 0731 | 0732 | 0732 | 0732 | 0732 | 0732 | 0732 | 0732 | 0732 | 0732 | 0732 | 0732 | 0732 | 0732 | 0732 | 0732 | 0732 |          | 0732 |
| ANIMAL ID          |         | 0000        | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000     | 0000 |
|                    |         | 276         | 277  | 278  | 279  | 280  | 281  | 282  | 283  | 284  | 285  | 286  | 287  | 288  | 289  | 290  | 291  | 292  | 293  | 294  | 295  | 296      | 297  |
|                    |         | 0           | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0        | 0    |

**ALIMENTARY SYSTEM**

|  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |   |     |     |     |     |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|---|-----|-----|-----|-----|
| Esophagus<br>Inflammation, Chronic<br>Muscularis, Degeneration | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | 1 | 1.0 |     |     |     |
|  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    | 2 | 1   | 2.0 |     |     |
| Gallbladder  | + | + | + | A | A | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | M | + | + | +  | + | +   | 44  |     |     |
| Intestine Large, Cecum   | + | + | + | A | A | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | +  | + | +   | 45  |     |     |
| Intestine Large, Colon   | + | + | + | A | A | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | +  | + | +   | 45  |     |     |
| Intestine Large, Rectum<br>Edema                               | + | + | + | A | A | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | +  | + | +   | 46  | 1   | 3.0 |
| Intestine Small, Duodenum                                      | + | + | + | A | A | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | +  | + | +   | 45  |     |     |
| Intestine Small, Ileum   | + | + | + | A | A | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | +  | + | +   | 45  |     |     |
| Intestine Small, Jejunum                                       | + | + | + | A | A | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | +  | + | +   | 45  |     |     |
| Liver  | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | +  | + | +   | 49  |     |     |
| Basophilic Focus   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |   |     | 1   |     |     |
| Clear Cell Focus   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |   |     | 3   |     |     |
| Eosinophilic Focus   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |   |     | 1   |     |     |
| Eosinophilic Focus, Multiple                                   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |   |     | 1   |     |     |
| Fatty Change   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |   |     | 18  | 1.4 |     |
| Fibrosis   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |   |     | 1   | 2.0 |     |
| Hematopoietic Cell Proliferation                               |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |   |     | 15  | 1.1 |     |
| Hemorrhage   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |   |     | 1   | 2.0 |     |
| Inflammation, Chronic  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |   |     | 33  | 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  
 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  | 0741  | 0752  | 0773  | 0773  | 0761  | 0773  | 0766  | 0766  | 0774  | 0773  | 0773  | 0773  | 0773  | 0747  | 0773  | 0773  | 0773  | 0773  | 0771  |          |     |
| 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 |          |     |
| Mixed Cell Focus   |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       | X     |       | 2        |     |
| Necrosis, Focal  |             |       |       |       |       |       |       |       |       |       | 2     |       |       |       |       |       |       |       |       |       |       |       |       |       | 1        | 2.0 |
| Tension Lipidosis  |             |       |       |       |       |       |       |       |       |       |       |       |       | 2     |       |       |       |       |       |       |       |       | 2     |       | 2        | 2.0 |
| Centrilobular, Hepatocyte, Hypertrophy<br>Kupffer Cell, Pigmentation |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       | 1     | 7        | 1.0 |
|  |             |       |       | 1     |       |       |       | 1     | 1     |       |       |       |       |       |       |       |       |       |       |       |       |       |       | 1     | 10       | 1.1 |
| Mesentery  | +           | +     |       |       | +     |       | +     | +     |       | +     | +     |       | +     | +     |       | +     | +     |       | +     | +     | +     |       |       | 26    |          |     |
| Accessory Spleen   |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       | X     | 1        |     |
| Cyst   |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       | X     | 1        |     |
| Inflammation, Chronic  |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       | 1        | 2.0 |
| Mineralization   |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       | 1        | 2.0 |
| Fat, Necrosis  | 2           | 2     |       |       | 2     |       |       |       |       |       | 3     | 2     |       | 3     | 2     |       | 3     | 3     |       | 3     | 2     | 3     |       | 22    | 2.4      |     |
| Oral Mucosa  |             |       |       |       |       |       |       |       | +     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       | 1        |     |
| Pancreas   | +           | +     | +     | +     | A     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | 48    |          |     |
| Atrophy  |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       | 3     | 8        | 1.9 |
| Cyst   |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       | 3     | 3        | 2.3 |
| Fibrosis   |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       | 2     | 1        | 2.0 |
| Inflammation, Chronic  |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       | 1     | 31       | 1.2 |
| Inflammation, Chronic Active   |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       | 3     | 1        | 3.0 |
| Necrosis   |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       | 2     | 1        | 2.0 |
| Salivary Glands  | +           | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | 50    |          |     |
| Infiltration Cellular, Mononuclear Cell                              | 1           | 1     |       |       |       | 1     | 1     | 2     | 1     | 1     | 1     | 2     |       |       | 1     | 1     | 1     |       | 1     | 1     | 1     | 1     | 2     | 37    | 1.2      |     |
| Mineralization   |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       | 1     | 5        | 1.0 |
| Stomach, Forestomach   | +           | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | 50    |          |     |
| Erosion  |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       | 1        | 1.0 |
| Inflammation   |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       | 2     | 3        | 1.7 |
| Mineralization   |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       | 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

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        | 0733 | 0733 | 0712 | 0722 | 0711 | 0705 | 0707 | 0707 | 0706 | 0707 | 0706 | 0706 | 0707 | 0707 | 0707 | 0707 | 0707 | 0704 | 0707 | 0707 | 0707 | 0707 | 0707 |             |       |
| 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<br>3 1.0 |       |
| Parathyroid Gland Cyst                                | +           | +    | +    | +    | +    | +    | +    | +    | +    | +    | M    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | M    | +    | +    | 48<br>1 2.0 |       |
| Pituitary Gland Pars Distalis, Angiectasis            | +           | +    | +    | +    | I    | +    | +    | +    | +    | +    | +    | +    | +    | A    | +    | +    | +    | +    | +    | +    | I    | +    | +    | +    | 47<br>1 2.0 |       |
| Pars Distalis, Hyperplasia                            | 4           |      |      |      |      |      |      |      |      | 1    |      | 3    |      | 2    |      |      |      |      |      | 1    |      | 1    |      | 4    | 13 1.9      |       |
| Thyroid Gland Infiltration Cellular, Mononuclear Cell | +           | +    | +    | +    | +    | +    | +    | +    | +    | +    | M    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | 49<br>1 2.0 |       |
| Inflammation, Chronic                                 |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | 1 1.0       |       |
| Follicle, Cyst  |             |      |      | X    |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | 1           |       |
| Follicle, Degeneration                                | 2           | 2    |      |      |      | 2    | 3    |      | 1    | 2    |      |      |      | 2    | 2    |      | 2    | 1    | 3    |      | 2    | 2    |      | 2    | 28 2.0      |       |
| Follicle, Degeneration, Focal                         |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | 1 1.0       |       |
| Follicle, Hypertrophy                                 |             |      | 1    | 3    | 3    |      | 1    |      | 1    | 1    |      | 3    |      | 3    | 1    |      | 1    | 2    |      | 1    | 2    | 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  
 + .. 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        | 0733  | 0733  | 0731  | 0732  | 0732  | 0731  | 0735  | 0732  | 0732  | 0732  | 0738  | 0732  | 0732  | 0730  | 0737  | 0733  | 0733  | 0733  | 0733  |          |       | 0733  | 0734  | 0737  | 0733  | 0733  | 0733  | 0733  | 0731  | 0731  | 0731  | 0731  | 0731      | 0731       | 0735       |            |            |
| 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 | 00101 | 00102 | 00103 | 00104 | 00105 | 00106 | 00107 | 00108 | 00109     | 00110      |            |            |            |
| 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                       |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |          |       |       | 1     |       |       |       |       |       |       |       |       |       |           | <b>2</b>   | <b>1.5</b> |            |            |
| Hyperplasia, Lymphoid            |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |          |       |       |       |       |       |       |       |       |       |       |       |       |           | <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     |       |       |       |       |       |       |       |       |          |       |       |       |       |       |       |       |       |       |       |       |       |           | <b>26</b>  | <b>1.8</b> |            |            |
| Pigmentation                     | 2           |       | 2     |       |       |       |       |       |       |       |       |       |       |       |       | 1     | 2     |       |       |       |          |       |       |       |       |       |       |       |       |       |       |       |       |           | <b>20</b>  | <b>1.7</b> |            |            |
| Lymphoid Follicle, Atrophy       |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |          |       |       |       |       |       |       |       |       |       |       |       |       |           |            | <b>20</b>  | <b>1.7</b> |            |
| Lymphoid Follicle, Hyperplasia   | 3           |       | 2     |       |       |       |       |       |       |       | 4     |       |       |       | 4     |       |       |       |       |       |          |       |       |       |       |       |       |       |       |       |       |       |       |           |            | <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     |       |       |       |       |          |       |       |       |       |       |       |       |       |       |       |       |       |           |            | <b>6</b>   | <b>2.0</b> |            |
| Cyst                             |             |       | 2     |       |       |       |       |       |       |       |       |       | 2     |       |       |       |       |       |       |       |          |       |       |       |       |       |       |       |       |       |       |       |       |           |            | <b>16</b>  | <b>1.9</b> |            |
| Hyperplasia, Lymphoid            |             |       | 2     | 2     |       |       |       |       | 2     | 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                      |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |          |       |       |       |       |       |       |       |       |       |       |       |       |           |            |            | <b>2</b>   | <b>1.0</b> |
| Inflammation, Chronic            |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |          |       |       |       |       |       |       |       |       |       |       |       |       |           |            |            | <b>2</b>   | <b>1.0</b> |
| 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                       |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |          |       |       |       |       |       |       |       |       |       |       |       |       |           |            |            | <b>2</b>   | <b>2.0</b> |
| Hyperkeratosis                   |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |          |       |       |       |       |       |       |       |       |       |       |       |       |           |            |            | <b>1</b>   | <b>3.0</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 FEMALE | 3 MG/KG | DAY ON TEST |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | * TOTALS |
|--------------------|---------|-------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|----------|
|                    |         | 0733        | 0733 | 0731 | 0722 | 0542 | 0545 | 0773 | 0773 | 0666 | 0667 | 0773 | 0773 | 0943 | 0943 | 0773 | 0773 | 0473 | 0773 | 0773 | 0773 |          |
| ANIMAL ID          |         | 0076        | 0077 | 0078 | 0079 | 0001 | 0002 | 0003 | 0004 | 0005 | 0006 | 0007 | 0008 | 0009 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 |          |

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 | I |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    | A | 4 | 1 | 4.0 |
| Harderian Gland       | + |  |  |   |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 49 |   |   |   |     |
| Hyperplasia           |   |  |  |   |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    | M | 2 | 2 | 2.5 |
| Inflammation, Chronic |   |  |  |   |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |   | 1 | 1 | 1.0 |

URINARY SYSTEM

|   |   |   |   |   |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |   |    |     |
|---|---|---|---|---|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|---|----|-----|
| Kidney                                  | + |   |   |   |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 50 |   |    |     |
| Infiltration Cellular, Mononuclear Cell | 1 | 1 | 1 | 1 |  | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 1 | 44 | 1.1 |
| Mineralization                          |   |   |   |   |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    | 1 | 5  | 1.0 |
| Nephropathy                             | 2 |   |   |   |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    | 1 | 9  | 1.2 |

\* .. 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  
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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      |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  | ANIMAL ID | females<br>(cont...) |                  |                  |                  |                  |                  |
|----------------------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|-----------|----------------------|------------------|------------------|------------------|------------------|------------------|
|                                  | 0<br>7<br>3<br>1 | 0<br>7<br>3<br>1 | 0<br>7<br>3<br>1 | 0<br>7<br>3<br>1 | 0<br>5<br>7<br>5 | 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>7<br>3<br>3 | 0<br>7<br>3<br>3 | 0<br>6<br>7<br>7 | 0<br>7<br>3<br>5 | 0<br>6<br>2<br>6 | 0<br>7<br>2<br>9 | 0<br>7<br>2<br>9 | 0<br>7<br>3<br>3 |           |                      | 0<br>7<br>2<br>6 | 0<br>6<br>8<br>9 | 0<br>7<br>3<br>3 | 0<br>7<br>3<br>3 | 0<br>7<br>3<br>3 |
| Angiectasis                      |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |           |                      |                  |                  |                  |                  |                  |
| Cyst                             |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |           | 4                    |                  |                  |                  |                  |                  |
| Thrombosis                       |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |           | 4                    |                  |                  |                  |                  |                  |
| Uterus                           |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |           |                      |                  |                  |                  |                  |                  |
| Hyperplasia, Cystic              | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +         | +                    | +                | +                | +                | +                | +                |
| Inflammation, Acute              | 1                | 2                | 3                | 4                | 4                | 2                | 3                |                  | 3                | 3                | 3                | 3                | 3                |                  | 4                | 1                | 3                | 4                | 2                | 2                | 2         | 4                    | 4                | 2                | 4                |                  |                  |
| Necrosis                         |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |           | 4                    |                  |                  |                  |                  |                  |
| <b>HEMATOPOIETIC SYSTEM</b>      |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |           |                      |                  |                  |                  |                  |                  |
| Bone Marrow                      |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |           |                      |                  |                  |                  |                  |                  |
| Myeloid Cell, Hyperplasia        | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +         | +                    | +                | +                | +                | +                | +                |
| Lymph Node                       |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |           |                      |                  |                  |                  |                  |                  |
| Ectasia                          |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |           |                      |                  |                  |                  |                  |                  |
| Hemorrhage                       |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |           |                      |                  |                  |                  |                  |                  |
| Pigmentation                     |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |           |                      |                  |                  |                  |                  |                  |
| Iliac, Ectasia                   |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |           |                      |                  |                  |                  |                  |                  |
| Iliac, Hemorrhage                |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |           |                      |                  |                  |                  |                  |                  |
| Iliac, Hyperplasia, Lymphoid     |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |           | 4                    |                  |                  |                  |                  |                  |
| Iliac, Hyperplasia, Plasma Cell  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |           | 3                    |                  |                  |                  |                  |                  |
| Lumbar, Pigmentation             |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |           |                      |                  |                  |                  |                  |                  |
| Renal, Hyperplasia, Lymphoid     |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |           | 1                    |                  |                  |                  |                  |                  |
| Renal, Pigmentation              |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |           | 2                    |                  |                  |                  |                  |                  |
| Lymph Node, Mandibular           |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |           |                      |                  |                  |                  |                  |                  |
| Hyperplasia, Lymphoid            | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +         | +                    | +                | +                | +                | +                |                  |
| Infiltration Cellular, Mast Cell |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |           |                      |                  |                  |                  |                  |                  |
| Pigmentation                     | 3                | 3                | 1                | 3                | 2                |                  | 1                |                  | 1                | 2                | 2                | 2                | 3                | 1                | 2                | 1                | 2                | 2                | 1                | 1                | 1         | 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  
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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 |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | * 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   |
| Inflammation, Chronic                   |             |      |      | 1    |      |      | 2    |      |      |      |      | 1    | 1    | 2    | 1    | 2    | 1    | 1    | 1    | 1    | 2        | 1    | 1    | 2    | 1      |
| Necrosis, Focal                         |             |      |      | 2    |      |      |      |      |      |      |      |      |      |      |      | 2    | 1    |      |      |      |          |      |      |      |        |
| Tension Lipidosis                       |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | 2    |      |          |      |      |      |        |
| Centrilobular, Mineralization           |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |          |      |      |      |        |
| Centrilobular, Necrosis                 |             |      |      |      |      |      |      |      |      | 2    |      |      |      |      |      |      |      |      |      |      |          |      |      |      |        |
| 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      |
| Hepatocyte, Cytoplasmic Alteration      |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |          |      |      |      |        |
| Kupffer Cell, Pigmentation              |             |      |      | 1    |      |      | 1    | 1    |      | 1    |      |      | 2    | 1    |      | 1    | 1    |      | 1    |      | 2        | 1    |      | 1    |        |
| Midzonal, Necrosis                      |             |      |      |      |      | 4    |      |      |      |      |      |      |      |      |      |      |      |      |      |      |          |      |      |      |        |
| Mesentery                               |             |      |      | +    |      | +    | +    |      |      |      |      |      |      | +    |      |      |      |      |      | +    |          |      | +    |      | 12     |
| Fat, Necrosis                           |             |      |      | 2    |      | 2    | 2    |      |      |      |      |      |      | 2    |      |      |      |      |      | 3    |          |      | 2    |      | 12 2.0 |
| Pancreas                                | +           | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +        | +    | +    | +    | 50     |
| Atrophy                                 |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |          |      |      |      |        |
| Cyst                                    |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |          |      |      |      |        |
| Fibrosis                                |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |          |      |      |      |        |
| Inflammation, Chronic                   |             |      |      | 1    |      | 2    |      |      |      | 2    | 1    | 1    | 1    | 1    | 2    | 1    |      | 1    | 1    | 2    | 1        | 1    | 2    |      | 1      |
| Mineralization, Chronic                 |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      | 1    |      |      |      |      |          |      |      |      |        |
| Salivary Glands                         | +           | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +        | +    | +    | +    | 50     |
| Atrophy                                 |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |          |      |      |      |        |
| Infiltration Cellular, Mononuclear Cell | 1           | 1    |      | 1    |      |      | 1    | 1    | 1    | 1    |      | 1    | 1    | 1    | 1    | 1    | 1    | 1    | 1    | 1    | 1        |      | 1    | 1    |        |
| Mineralization                          |             |      |      |      |      |      |      |      | 1    |      |      |      |      |      |      |      |      |      |      |      |          |      | 1    |      |        |
| Stomach, Forestomach                    | +           | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +        | +    | +    | +    | 50     |
| Cyst                                    |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |          |      |      |      | 1      |
| Erosion                                 |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |          |      |      |      | 2 1.0  |
| Infiltration Cellular, Mast Cell        |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |          |      |      |      | 1 1.0  |
| Inflammation                            |             |      |      |      |      | 2    |      |      |      |      |      |      |      |      |      |      |      |      |      |      |          |      |      |      | 5 1.2  |

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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

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                 |             |  |
|  | 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    | 0    | 7    | 7    | 5    | 7    | 7    | 7    | 6    | 6    | 7    | 7    | 7    | 6    | 7    | 7    | 7    | 6    | 7    | 7    | 6    | 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    | 3    | 2    | 2    | 5    | 9    | 9    | 9    | 5    | 8    | 3    | 3    | 3    | 5    | 3    | 3    | 3    | 3    | 8    | 9    | 9    | 8        | 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                    |             |  |
|  | 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    | 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                    |             |  |
| 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    |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |          | 1 4.0<br>4 2.3       |             |  |
| <b>CARDIOVASCULAR SYSTEM</b>   |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |          |                      |             |  |
| Blood Vessel Mineralization  | +           | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +        | +                    | 50<br>1 1.0 |  |
| Heart Cardiomyopathy   | +           | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +        | +                    | 50<br>5 1.0 |  |
| Heart Hemorrhage   |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |          |                      | 1 2.0       |  |
| Heart Mineralization   |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |          |                      | 2 2.0       |  |
| Heart Necrosis, Multifocal   |             |      |      |      |      |      | 2    |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |          |                      | 1 2.0       |  |
| Heart Thrombosis   |             |      |      |      |      |      | 3    |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |          |                      | 1 3.0       |  |
| <b>ENDOCRINE SYSTEM</b>  |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |          |                      |             |  |
| Adrenal Cortex   | +           | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +        | +                    | 49<br>1 2.0 |  |
| Adrenal Cortex Accessory Adrenal Cortical Nodule Degeneration, Fatty |             |      |      | 2    |      |      |      | 1    |      |      |      |      |      |      | 2    |      |      |      |      |      |      |      |          |                      | 3 1.7       |  |
| Adrenal Cortex Hematopoietic Cell Proliferation                      |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |          |                      | 2 2.5       |  |
| Adrenal Cortex Hyperplasia   |             |      |      |      |      |      |      |      |      |      |      |      |      | 2    |      |      |      |      |      |      |      |      |          |                      | 4 2.0       |  |
| Adrenal Cortex Hypertrophy, Focal                                    |             |      |      |      | 1    |      |      |      |      |      |      | 1    |      |      |      |      |      |      | 2    |      |      | 1    |          | 9 1.4                |             |  |
| Adrenal Cortex Hypertrophy, Diffuse                                  |             |      | 1    |      |      |      |      |      |      |      |      |      |      |      | 1    |      |      |      |      |      |      | 1    |          | 4 1.0                |             |  |

\* .. 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

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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    | 47 | 2.4 |     |     |
| Adrenal Medulla<br>Hyperplasia   | +           | +    | I    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +        | +    | +    | +    | +    | 48 | 1.0 |     |     |
| Islets, Pancreatic<br>Hyperplasia  | +           | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +        | +    | +    | +    | +    | 50 | 2.0 |     |     |
| Parathyroid Gland<br>Cyst<br>Hyperplasia   | +           | +    | +    | +    | +    | +    | +    | M    | M    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +        | +    | +    | +    | +    | 47 | 1.0 |     |     |
| Pituitary Gland<br>Pars Distalis, Angiectasis<br>Pars Distalis, Cyst<br>Pars Distalis, Hyperplasia | +           | +    | +    | +    | +    | M    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +        | +    | I    | +    | +    | 46 | 2.0 |     |     |
|  | 1           | 2    |      | 2    |      |      |      |      |      | 4    |      | 2    |      | 2    |      |      |      |      |      | 1    |          |      | 2    |      |      | 13 | 1.8 |     |     |
| Thyroid Gland<br>Follicle, Degeneration<br>Follicle, Hypertrophy                                   | +           | +    | +    | +    | +    | +    | +    | +    | I    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +        | +    | +    | +    | +    | 48 | 1.5 |     |     |
|  |             | 2    | 1    | 2    | 1    |      | 1    |      |      | 1    |      | 2    |      | 1    | 2    | 1    | 2    | 1    | 3    | 2    | 2        | 2    | 1    | 1    | 1    | 2  | 2   | 26  | 1.5 |
|  |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |          |      |      |      |      |    | 37  | 1.5 |     |

GENERAL BODY SYSTEM

NONE

GENITAL SYSTEM

|  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |     |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|-----|
| Clitoral Gland<br>Inflammation, Chronic Active | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | 1.1 |
|  |   | 1 |   |   |   |   |   |   |   |   |   |   | 2 |   | 1 |   |   |   |   |   | 1 |   | 1 |   |   | 8  | 1.1 |
| Ovary  | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |     |

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| 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 |    |    |     |     |
| Lymph Node, Mesenteric Atrophy   | +           | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +        | +    | +    | +    | 49 | 1  | 3.0 |     |
| Ectasia                          |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |          |      |      |      |    | 3  | 2.7 |     |
| Hyperplasia, Lymphoid            |             |      |      |      |      |      |      |      | 2    |      |      |      |      |      |      |      |      |      |      |      |          |      |      |      |    | 1  | 2.0 |     |
| Spleen                           | +           | +    | +    | +    | +    | M    | +    | +    |      |      |      |      |      |      |      |      |      |      |      |      |          |      |      | M    | 48 |    |     |     |
| Hematopoietic Cell Proliferation |             |      |      |      |      |      |      |      | 4    | 4    | 4    |      |      |      |      |      |      |      |      |      |          |      |      |      |    | 11 | 2.8 |     |
| Pigmentation                     | 3           |      |      | 1    |      |      | 2    | 2    |      |      | 1    |      | 1    | 2    | 2    |      |      | 2    |      |      | 2        |      | 1    | 2    |    | 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    | 1    | 2    |    | 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    | 1    | 4    | 1    | 1    |      | 1        | 1    |      | 2    | 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    |      |      |      |      |      |      |      |      |          |      |      |      |    |    | 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

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        | 0733 | 0734 | 0735 | 0736 | 0737 | 0738 | 0739 | 0740 | 0741 | 0742 | 0743 | 0744 | 0745 | 0746 | 0747 | 0748 | 0749 | 0750 | 0751 |          |  |
| ANIMAL ID                       | 0032        | 0033 | 0034 | 0035 | 0036 | 0037 | 0038 | 0039 | 0040 | 0041 | 0042 | 0043 | 0044 | 0045 | 0046 | 0047 | 0048 | 0049 | 0050 | 0051 | 0052     |  |
| 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          |             |      |      |      |      |      |      |      |      |      |      |      |      | 3    |      |      |      |      |      |      |          |  |
| Epidermis, Tail, Hyperkeratosis |             |      |      |      |      |      |      |      |      | 1    |      |      |      |      |      |      |      | 2    |      |      |          |  |
| Epidermis, Tail, Hyperplasia    |             |      |      |      |      |      |      |      |      |      |      | 2    |      |      |      | 3    |      |      |      |      |          |  |

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  | 49 | 1.5 |     |
| Tail, Callus                     |   |   |   |   | 2 |   |   |   |   |   |   |   |   |   |   |   |   | 2 |   |   |   |   |   |    | 2  | 2.0 |     |
| Tail, Developmental Malformation |   |   |   | X |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    | 1  |     |     |
| Vertebra, Callus                 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 4 |    | 1  | 4.0 |     |
| Skeletal Muscle                  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    | 4  |     |     |
| Fibrosis                         |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    | 3  | 1   | 3.0 |
| Hemorrhage                       |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    | 2  | 2   | 3.0 |
| Inflammation, Chronic            |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    | 3  | 1   | 3.0 |
| Mineralization                   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |    | 1   | 2.0 |
| Necrosis                         |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |    | 1   | 4.0 |
| Regeneration                     |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 2  | 1  | 2.0 |     |

NERVOUS SYSTEM

|   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |   |     |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|---|-----|
| Brain                                   | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |   |     |
| Compression                             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    | 1 | 4.0 |
| Hemorrhage                              |   |   |   |   |   | 1 |   |   |   |   |   |   |   |   |   | 1 |   |   |   |   |   |   |   |   |    | 3 | 1.0 |
| Infiltration Cellular, Mononuclear Cell |   |   |   |   |   |   |   |   |   |   | 1 |   |   |   |   |   |   |   |   |   |   |   |   |   |    | 1 | 1.0 |
| Necrosis                                |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    | 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:

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              |                       |                       |                       |     |
|---|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----|
|   | 0<br>7<br>3<br>2      | 0<br>7<br>3<br>2      | 0<br>0<br>0<br>2      | 0<br>7<br>3<br>2      | 0<br>7<br>3<br>2      | 0<br>5<br>3<br>5      | 0<br>7<br>2<br>9      | 0<br>7<br>2<br>9      | 0<br>7<br>2<br>9      | 0<br>6<br>9<br>5      | 0<br>6<br>8<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>6<br>9<br>5      | 0<br>7<br>3<br>3      | 0<br>7<br>3<br>3      | 0<br>6<br>8<br>8      | 0<br>7<br>2<br>9      | 0<br>5<br>9<br>8      |                       | 0<br>7<br>2<br>9      | 0<br>0<br>3<br>9      |                       |     |
| ANIMAL ID                               | 0<br>0<br>3<br>2<br>6 | 0<br>0<br>3<br>2<br>7 | 0<br>0<br>3<br>2<br>8 | 0<br>0<br>3<br>2<br>9 | 0<br>0<br>3<br>3<br>0 | 0<br>0<br>3<br>3<br>1 | 0<br>0<br>3<br>3<br>2 | 0<br>0<br>3<br>3<br>3 | 0<br>0<br>3<br>3<br>4 | 0<br>0<br>3<br>3<br>5 | 0<br>0<br>3<br>3<br>6 | 0<br>0<br>3<br>3<br>7 | 0<br>0<br>3<br>3<br>8 | 0<br>0<br>3<br>3<br>9 | 0<br>0<br>3<br>4<br>0 | 0<br>0<br>3<br>4<br>1 | 0<br>0<br>3<br>4<br>2 | 0<br>0<br>3<br>4<br>3 | 0<br>0<br>3<br>4<br>4 | 0<br>0<br>3<br>4<br>5 | 0<br>0<br>3<br>4<br>6 | 0<br>0<br>3<br>4<br>7 | 0<br>0<br>3<br>4<br>8 | 0<br>0<br>3<br>4<br>9 |     |
| Eye                                     | +                     | +                     | +                     | +                     | +                     | A                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | 47                    |     |
| Cornea, Inflammation, Acute             |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | 1 1.0                 |     |
| Harderian Gland                         | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | 50                    |                       |     |
| Hyperplasia                             |                       |                       |                       |                       |                       |                       |                       |                       |                       | 4                     |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | 3                     | 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                     | 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                     | 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





















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                | 0                | 0                | 0                | 0                | 0                | 0                | 0                | 0                | 0                | 0                | 0                | 0                | 0                | 0                | 0                | 0                | 0                | 0                | 0                | 0        |   |   |   |     |    |     |
| Necrosis, Focal                         |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |          | 2 | 3 | 3 | 2.7 |    |     |
| Centrilobular, Hepatocyte, Hypertrophy  | 3                | 2                |                  | 2                | 3                | 3                | 3                |                  | 3                | 3                | 4                | 3                | 3                | 4                | 2                | 3                | 2                | 1                |                  | 2                | 3        | 1 | 3 | 3 | 2   | 47 | 2.9 |
| Kupffer Cell, Pigmentation              | 1                | 1                |                  | 1                | 1                | 1                | 2                |                  | 1                | 2                | 1                |                  |                  |                  |                  | 2                | 2                | 2                |                  |                  |          |   |   |   |     | 27 | 1.4 |
| Mesentery                               |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |          |   |   |   |     | 5  |     |
| Fat, Necrosis                           |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |          |   |   |   |     | 3  | 2.3 |
| Pancreas                                |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |          |   |   |   |     | 50 |     |
| Inflammation, Chronic                   |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |          |   |   |   |     | 22 | 1.2 |
| Necrosis                                |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |          |   |   |   |     | 1  | 2.0 |
| Duct, Cyst                              |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |          |   |   |   |     | 1  |     |
| Salivary Glands                         |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |          |   |   |   |     | 48 |     |
| Infiltration Cellular, Mononuclear Cell |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |          |   |   |   |     | 26 | 1.1 |
| Mineralization                          |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |          |   |   |   |     | 1  | 1.0 |
| Stomach, Forestomach                    |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |          |   |   |   |     | 49 |     |
| Angiectasis, Focal                      |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |          |   |   |   |     | 1  | 3.0 |
| Erosion                                 |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |          |   |   |   |     | 3  | 1.7 |
| Inflammation                            |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |          |   |   |   |     | 6  | 1.5 |
| Inflammation, Acute                     |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |          |   |   |   |     | 1  | 2.0 |
| Ulcer                                   |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |          |   |   |   |     | 1  | 2.0 |
| Epithelium, Hyperplasia                 |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |          |   |   |   |     | 16 | 2.6 |
| Stomach, Glandular                      |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |          |   |   |   |     | 48 |     |
| Erosion                                 |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |          |   |   |   |     | 1  | 4.0 |
| Mineralization                          |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |          |   |   |   |     | 1  | 1.0 |
| Glands, Ectasia, Focal                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |          |   |   |   |     | 1  | 1.0 |

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>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>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>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>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>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>7<br>8 | 0<br>0<br>3<br>7<br>8 |             |        |        |
| 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 |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | 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                     |                       |                       | 8 1.4       |        |        |
| Capsule, Cyst                     |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | 1           |        |        |
| Capsule, Hyperplasia              | 2                     | 2                     |                       | 2                     | 3                     | 2                     | 2                     | 2                     | 2                     | 2                     | 4                     | 2                     | 3                     | 2                     | 2                     | 2                     | 3                     | 2                     |                       | 3                     | 2                     | 2                     | 3           | 2      | 47 2.4 |
| 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                     |                       |                       | 2           | 10 2.0 |        |
| Rathke's Cleft, Cyst              |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |             | 1 2.0  |        |
| Thyroid Gland                     | +                     | +                     | M                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | M                     | +                     | M                     | +                     | 47          |        |        |
| Follicle, Degeneration            |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |             | 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              |                       |                       |                       |     |     |
|----------------------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----|-----|
|                                  | 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>8<br>9 | 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 |     |     |
| Hematopoietic Cell Proliferation |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | 1                     | 1.0 |     |
| Hemorrhage                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | 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  |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | 2                     | 1.0 |     |
|                                  |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | 2                     | 1.0 |     |
| Spleen                           | +                     | +                     | A                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | A                     | +                     | +                     | +                     | +                     | +                     | 48  |     |
| Hematopoietic Cell Proliferation |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | 24                    | 2.3 |     |
| Pigmentation                     | 1                     | 1                     |                       | 1                     | 1                     | 1                     | 1                     |                       | 1                     | 1                     | 2                     |                       | 1                     | 1                     |                       | 1                     | 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                          |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | 13                    | 2.6 |     |
| Cyst                             |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | 2                     | 2.0 |     |
| Hyperplasia, Lymphoid            |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | 10                    | 1.5 |     |

**INTEGUMENTARY SYSTEM**

|                              |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |     |  |
|------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|-----|--|
| Mammary Gland                | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | +  | 50  |  |
| Galactocele                  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 31 | 1.6 |  |
| Inflammation, Chronic        |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1  | 2.0 |  |
| Inflammation, Chronic Active |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1  | 2.0 |  |
| Skin                         | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | +  | 50  |  |
| Inflammation, Chronic        |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 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:

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2) Mild 4) Marked





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>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>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 |       |        |
| 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

