

**Experiment Number:** 20320 - 04  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** MICE/B6C3F1

**P04: NEOPLASMS BY INDIVIDUAL ANIMAL**  
Tetrabromobisphenol A  
**CAS Number:** 79-94-7

**Date Report Requested:** 01/22/2013  
**Time Report Requested:** 10:11:10  
**First Dose M/F:** 08/07/07 / 08/06/07  
**Lab:** BAT

F1\_M3

**NTP Study Number:** C20320  
**Lock Date:** 01/12/2010  
**Cage Range:** ALL  
**Date Range:** ALL  
**Reasons For Removal:** ALL  
**Removal Date Range:** ALL  
**Treatment Groups:** Include ALL  
**Study Gender:** Both  
**TDMSE Version:** 3.0.1.0\_004  
**PWG Approval Date:** NONE

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Lab: BAT

<b>B6C3F1 MICE MALE</b>	DAY ON TEST	0730	0731	0732	0733	0734	0735	0736	0737	0738	0739	0740	0741	0742	0743	0744	0745	0746	0747	0748	0749	0750	0751	0752	0753	0754	0755	<b>males (cont...)</b>
	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	0000	

ALIMENTARY SYSTEM

Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Gallbladder	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Large, Cecum Lymphoma Malignant	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Large, Colon Lymphoma Malignant	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Small, Ileum Lymphoma Malignant Peyer's Patch, Lymphoma Malignant	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Small, Jejunum Adenoma, Multiple Carcinoma	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Hemangioma																											
Hepatoblastoma							X																				
Hepatocellular Adenoma				X		X		X					X		X		X						X				
Hepatocellular Adenoma, Multiple	X	X		X				X		X										X	X						
Hepatocellular Carcinoma				X			X			X									X	X			X				
Hepatocellular Carcinoma, Multiple																											X

\* .. Total animals with tissue examined microscopically; Total animals with tumor  
+ .. Tissue examined microscopically  
X .. Lesion present  
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M .. Missing tissue  
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B6C3F1 MICE MALE	DAY ON TEST																									ANIMAL ID	males (cont...)
	0 7 3 0	0 7 3 1	0 7 3 0	0 7 3 2	0 7 3 1	0 5 2 1	0 7 3 2	0 7 3 2	0 7 3 1	0 6 7 3	0 7 4 8	0 6 8 3	0 5 0 1	0 6 4 4	0 6 3 1	0 7 3 1	0 7 3 4	0 7 3 1	0 7 3 2	0 7 3 2	0 5 5 5	0 5 9 5	0 7 3 1				
0 mg/kg	0 0 0 1	0 0 0 2	0 0 0 3	0 0 0 4	0 0 0 5	0 0 0 6	0 0 0 7	0 0 0 8	0 0 0 9	0 0 0 0	0 0 0 1	0 0 0 2	0 0 0 3	0 0 0 4	0 0 0 5	0 0 0 6	0 0 0 7	0 0 0 8	0 0 0 9	0 0 0 0	0 0 0 1	0 0 0 2	0 0 0 3	0 0 0 4	0 0 0 5		
Lymphoma Malignant																											
Mesentery Lymphoma Malignant																											
Pancreas Lymphoma Malignant																											
Salivary Glands																											
Stomach, Forestomach Squamous Cell Papilloma																											
Stomach, Glandular Lymphoma Malignant																											
Tooth Lymphoma Malignant Odontoma																											
<b>CARDIOVASCULAR SYSTEM</b>																											
Blood Vessel																											
Heart																											
<b>ENDOCRINE SYSTEM</b>																											
Adrenal Cortex Adenoma Lymphoma Malignant																											

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

**SPECIAL SENSES SYSTEM**

Eye	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Harderian Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Adenoma											X														X
Carcinoma																							X		

**URINARY SYSTEM**

Kidney	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Alveolar/Bronchiolar Carcinoma, Metastatic, Lung																									
Lymphoma Malignant																									
Sarcoma, Metastatic, Skin																							X		
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Lymphoma Malignant																									

**SYSTEMIC LESIONS**

Multiple Organ	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Lymphoma Malignant			X																						

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Lab: BAT

<b>B6C3F1 MICE MALE</b>	DAY ON TEST	0640	0732	0731	0732	0733	0733	0731	0731	0675	0733	0733	0733	0733	0731	0669	0669	0666	0733	0733	0733	0733	0644	0733	0737	0374	
	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	00050	
<b>0 mg/kg</b>		6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	<b>* TOTALS</b>

**ALIMENTARY SYSTEM**

Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	<b>50</b>
Gallbladder	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	<b>49</b>
Intestine Large, Cecum Lymphoma Malignant	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	<b>47</b> <b>1</b>	
Intestine Large, Colon Lymphoma Malignant	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	<b>47</b> <b>1</b>	
Intestine Large, Rectum	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	<b>47</b>	
Intestine Small, Duodenum	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	<b>47</b>	
Intestine Small, Ileum Lymphoma Malignant Peyer's Patch, Lymphoma Malignant	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	<b>47</b> <b>1</b> <b>1</b>	
Intestine Small, Jejunum Adenoma, Multiple Carcinoma	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	<b>47</b> <b>1</b> <b>1</b>	
Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	<b>50</b>	
Hemangioma							X					X														<b>2</b>	
Hepatoblastoma																	X									<b>2</b>	
Hepatocellular Adenoma	X		X					X	X	X	X		X	X	X		X			X				X	<b>20</b>		
Hepatocellular Adenoma, Multiple							X					X							X	X				X	<b>12</b>		
Hepatocellular Carcinoma				X													X			X					<b>9</b>		
Hepatocellular Carcinoma, Multiple																			X						<b>2</b>		

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B6C3F1 MICE MALE 0 mg/kg	DAY ON TEST	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	* TOTALS				
	ANIMAL ID	6	7	7	7	7	7	7	7	6	7	7	7	7	7	6	6	6	7	7	7	7	6	7	3	7	3	6	7	4	7	3	7	4						
Lymphoma Malignant																																					X	1		
Mesentery																																						+	3	
Lymphoma Malignant																																						X	1	
Pancreas		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50		
Lymphoma Malignant																																						X	1	
Salivary Glands		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50		
Stomach, Forestomach		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Squamous Cell Papilloma																																						X	5	
Stomach, Glandular		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Lymphoma Malignant																																						X	1	
Tooth		+																																					+	14
Lymphoma Malignant																																							X	1
Odontoma																																						X	2	
<b>CARDIOVASCULAR SYSTEM</b>																																								
Blood Vessel		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Heart		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
<b>ENDOCRINE SYSTEM</b>																																								
Adrenal Cortex		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Adenoma																																							X	1
Lymphoma Malignant																																							X	1

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B6C3F1 MICE MALE		0 mg/kg	DAY ON TEST																										
			0 6	0 7	0 7	0 7	0 7	0 7	0 7	0 7	0 7	0 6	0 7	0 7	0 7	0 7	0 7	0 6	0 6	0 6	0 7	0 7	0 7	0 7	0 6	0 7	0 3	0 7	
			4	3	3	3	3	3	3	3	4	3	3	3	3	3	3	9	1	6	3	3	3	3	4	3	3	7	
			0	2	1	1	2	0	1	1	5	0	0	2	2	1	0	9	9	1	2	2	0	0	0	0	2	4	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
			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	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>																										
Testes			+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	<b>50</b>
<b>HEMATOPOIETIC SYSTEM</b>																													
Bone Marrow			+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	<b>50</b>
Lymphoma Malignant																													<b>1</b>
Lymph Node																													<b>3</b>
Iliac, Mediastinal, Renal, Lymphoma Malignant																													<b>1</b>
Pancreatic, Lymphoma Malignant																													<b>1</b>
Renal, Lymphoma Malignant																													<b>1</b>
Renal, Sarcoma, Metastatic, Skin																													<b>1</b>
Lymph Node, Mandibular			+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	<b>50</b>
Lymphoma Malignant																													<b>1</b>
Lymph Node, Mesenteric			+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	<b>50</b>
Lymphoma Malignant												X																	<b>3</b>
Spleen			+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	<b>50</b>
Alveolar/Bronchiolar Carcinoma, Metastatic, Lung															X														<b>1</b>
Hemangiosarcoma													X																<b>1</b>
Lymphoma Malignant																													<b>2</b>
Thymus			+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	<b>47</b>
Lymphoma Malignant																			X										<b>1</b>

**INTEGUMENTARY SYSTEM**

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B6C3F1 MICE MALE 0 mg/kg	DAY ON TEST																								* TOTALS		
	0640	0732	0731	0733	0733	0733	0733	0733	0733	0733	0733	0733	0733	0733	0733	0733	0733	0733	0733	0733	0733	0733	0733	0733			
ANIMAL ID	00026	00007	00008	00009	00010	00011	00012	00013	00014	00015	00016	00017	00018	00019	00020	00021	00022	00023	00024	00025	00026	00027	00028	00029	00030		
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	0	
Skin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50		
Keratoacanthoma																					X				1		
Lymphoma Malignant																X									1		
Sarcoma																									1		
<b>MUSCULOSKELETAL SYSTEM</b>																											
Bone	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50		
<b>NERVOUS SYSTEM</b>																											
Brain	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50		
<b>RESPIRATORY SYSTEM</b>																											
Lung	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50		
Alveolar/Bronchiolar Adenoma						X											X		X						4		
Alveolar/Bronchiolar Adenoma, Multiple																									2		
Alveolar/Bronchiolar Carcinoma									X		X														4		
Carcinoma, Metastatic, Harderian Gland																									1		
Hepatoblastoma, Metastatic, Liver																	X								1		
Hepatocellular Carcinoma, Metastatic, Liver				X																X					5		
Lymphoma Malignant															X										1		
Sarcoma, Metastatic, Skin																									1		
Nose	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50		
Trachea	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50		

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		6	7	7	7	7	7	7	6	7	7	7	7	7	6	6	6	7	7	7	7	6	7	3	0
		4	3	3	3	3	3	3	4	3	3	3	3	3	9	1	6	3	3	3	3	4	3	7	4
	0	2	1	1	2	0	1	1	5	0	0	2	2	1	0	9	9	1	2	2	0	0	2	4	
	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
		2	2	2	2	3	3	3	3	3	3	3	3	4	4	4	4	4	4	4	4	4	4	5	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>																							

**SPECIAL SENSES SYSTEM**

Eye	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Harderian Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Adenoma				X						X		X	X						X					7	
Carcinoma																									1

**URINARY SYSTEM**

Kidney	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Alveolar/Bronchiolar Carcinoma, Metastatic, Lung											X													1
Lymphoma Malignant															X									1
Sarcoma, Metastatic, Skin																								1
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Lymphoma Malignant															X									1

**SYSTEMIC LESIONS**

Multiple Organ	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Lymphoma Malignant										X						X								3

\* .. Total animals with tissue examined microscopically; Total animals with tumor  
+ .. Tissue examined microscopically  
X .. Lesion present  
I .. Insufficient tissue

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

B6C3F1 MICE MALE	DAY ON TEST																																	
	0602	0732	0731	0526	0674	0672	0763	0762	0430	0593	0733	0733	0733	0693	0535	0733	0772	0772	0665	0578	0733	0679	0763	0772	0772									
<b>250 mg/kg</b>	ANIMAL ID																																	
	0051	0052	0053	0054	0055	0056	0057	0058	0059	0060	0061	0062	0063	0064	0065	0066	0067	0068	0069	0070	0071	0072	0073	0074	0075	0076	0077	0078	0079	0080				
																																		males (cont...)

**ALIMENTARY SYSTEM**

Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Gallbladder Carcinoma, Metastatic, Pancreas	+	+	+	+	+	+	+	+	+	M	M	M	+	+	+	+	+	+	M	+	+	+	+	+	+	+					
Intestine Large, Cecum Carcinoma, Metastatic, Pancreas	+	+	+	+	A	+	+	+	A	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Intestine Large, Colon Carcinoma, Metastatic, Pancreas	+	+	+	+	A	+	+	+	A	A	A	+	+	+	+	+	+	+	+	+	+	+	+					X	+	+	
Intestine Large, Rectum	+	+	+	+	A	+	+	+	A	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Intestine Small, Duodenum Carcinoma, Metastatic, Pancreas	+	+	+	A	A	+	+	+	A	A	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Intestine Small, Ileum Carcinoma, Metastatic, Pancreas	+	+	+	+	A	+	+	+	A	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Intestine Small, Jejunum Carcinoma Lymphoma Malignant	+	+	+	+	+	+	+	+	I	A	A	+	+	+	+	+	+	+	+	+	+	+	+	X	+	+	+	+	+	+	
Liver Carcinoma, Metastatic, Pancreas Hemangiosarcoma Hepatoblastoma Hepatocellular Adenoma Hepatocellular Adenoma, Multiple	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		
	X																														
							X				X			X	X						X	X									
			X	X	X				X			X	X		X		X				X		X				X	X			

\* .. Total animals with tissue examined microscopically; Total animals with tumor  
 + .. Tissue examined microscopically  
 X .. Lesion present  
 I .. Insufficient tissue

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

Experiment Number: 20320 - 04

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: MICE/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Tetrabromobisphenol A

CAS Number: 79-94-7

Date Report Requested: 01/22/2013

Time Report Requested: 10:11:10

First Dose M/F: 08/07/07 / 08/06/07

Lab: BAT

B6C3F1 MICE MALE 250 mg/kg	DAY ON TEST																									ANIMAL ID	males (cont...)	
	0602	0603	0604	0605	0606	0607	0608	0609	0610	0611	0612	0613	0614	0615	0616	0617	0618	0619	0620	0621	0622	0623	0624	0625				
Hepatocellular Carcinoma																										0600	males (cont...)	
Hepatocellular Carcinoma, Multiple																											0601	males (cont...)
Osteosarcoma, Metastatic, Skin																											0602	males (cont...)
Rhabdomyosarcoma, Metastatic, Skeletal Muscle																											0603	males (cont...)
Sarcoma																											0604	males (cont...)
Mesentery Carcinoma, Metastatic, Pancreas																											0605	males (cont...)
Pancreas Acinus, Carcinoma																											0606	males (cont...)
Salivary Glands																											0607	males (cont...)
Stomach, Forestomach																											0608	males (cont...)
Stomach, Glandular Carcinoma, Metastatic, Pancreas																											0609	males (cont...)
Tooth Odontoma																											0610	males (cont...)

CARDIOVASCULAR SYSTEM

Blood Vessel	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Heart Carcinoma, Metastatic, Pancreas	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+

ENDOCRINE SYSTEM

\* .. Total animals with tissue examined microscopically; Total animals with tumor  
+ .. Tissue examined microscopically  
X .. Lesion present  
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Experiment Number: 20320 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL  
 Tetrabromobisphenol A  
 CAS Number: 79-94-7

Date Report Requested: 01/22/2013  
 Time Report Requested: 10:11:10  
 First Dose M/F: 08/07/07 / 08/06/07  
 Lab: BAT

B6C3F1 MICE MALE 250 mg/kg	DAY ON TEST	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	ANIMAL ID	males (cont...)	
	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	7	5	6	7	6	7	4	5	7	6	7	7	6	5	7	7	7	6	5	7	6	7	7		
		0	3	3	2	6	3	6	3	0	9	3	3	3	3	9	3	3	3	2	1	8	3	9	3	0		
		2	2	1	6	4	2	5	2	3	8	2	3	2	0	3	5	1	2	9	3	9	1	7	2	8		
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
		5	5	5	5	5	5	5	5	5	6	6	6	6	6	6	6	6	6	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		

Adrenal Cortex  
 Carcinoma, Metastatic, Pancreas

+ X + +

Adrenal Medulla  
 Pheochromocytoma Complex

+ +

Islets, Pancreatic

+ +

Parathyroid Gland

+ + + + + + + + M + + + + + + + + + + + + M + +

Pituitary Gland

+ M +

Thyroid Gland  
 Follicular Cell, Adenoma

+ X

GENERAL BODY SYSTEM

Peritoneum  
 Carcinoma, Metastatic, Pancreas

+

GENITAL SYSTEM

Coagulating Gland  
 Adenoma  
 Carcinoma, Metastatic, Pancreas

+

X

Epididymis  
 Carcinoma, Metastatic, Pancreas

+ +

X

Preputial Gland

+ +

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 + .. Tissue examined microscopically  
 X .. Lesion present  
 I .. Insufficient tissue

M .. Missing tissue  
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**Experiment Number:** 20320 - 04  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** MICE/B6C3F1

**P04: NEOPLASMS BY INDIVIDUAL ANIMAL**  
 Tetrabromobisphenol A  
**CAS Number:** 79-94-7

**Date Report Requested:** 01/22/2013  
**Time Report Requested:** 10:11:10  
**First Dose M/F:** 08/07/07 / 08/06/07  
**Lab:** BAT

| <b>B6C3F1 MICE MALE</b>  | <b>DAY ON TEST</b> |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | <b>males<br/>(cont...)</b> |
|--|--------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|----------------------------|
|  | 0602               | 0703 | 0701 | 0502 | 0604 | 0702 | 0605 | 0702 | 0403 | 0508 | 0702 | 0603 | 0702 | 0703 | 0603 | 0503 | 0701 | 0602 | 0703 | 0609 | 0703 | 0803 | 0501 | 0707 | 0607 |                            |
| <b>250 mg/kg</b>   | <b>ANIMAL ID</b>   |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |                            |
| Prostate   | +                  | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +                          |
| Seminal Vesicle<br>Carcinoma, Metastatic, Pancreas   | +                  | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +                          |
| Testes<br>Carcinoma, Metastatic, Pancreas  | +                  | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +                          |
| <b>HEMATOPOIETIC SYSTEM</b>  |                    |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |                            |
| Bone Marrow<br>Hemangiosarcoma   | +                  | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +                          |
| Lymph Node, Mandibular   | +                  | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +                          |
| Lymph Node, Mesenteric<br>Carcinoma, Metastatic, Pancreas<br>Lymphoma Malignant                                  | +                  | +    | +    | +    | M    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | X    | +                          |
| Spleen<br>Carcinoma, Metastatic, Pancreas<br>Hemangiosarcoma<br>Rhabdomyosarcoma, Metastatic, Skeletal<br>Muscle | +                  | +    | +    | +    | +    | +    | +    | +    | +    | A    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | X    | +                          |
| Thymus<br>Carcinoma, Metastatic, Pancreas<br>Rhabdomyosarcoma, Metastatic, Skeletal<br>Muscle                    | +                  | +    | +    | M    | +    | +    | +    | +    | +    | M    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | X    | M                          |

**INTEGUMENTARY SYSTEM**

\* .. Total animals with tissue examined microscopically; Total animals with tumor  
 + .. Tissue examined microscopically  
 X .. Lesion present  
 I .. Insufficient tissue

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

**Experiment Number:** 20320 - 04  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** MICE/B6C3F1

**P04: NEOPLASMS BY INDIVIDUAL ANIMAL**  
 Tetrabromobisphenol A  
**CAS Number:** 79-94-7

**Date Report Requested:** 01/22/2013  
**Time Report Requested:** 10:11:10  
**First Dose M/F:** 08/07/07 / 08/06/07  
**Lab:** BAT

| <b>B6C3F1 MICE MALE</b><br><b>250 mg/kg</b> |   | DAY ON TEST      |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |   |   |   | <b>males (cont...)</b> |   |   |   |   |                        |   |
|---|---|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|---|---|---|------------------------|---|---|---|---|------------------------|---|
|   |   | 0<br>6<br>0<br>2 | 0<br>7<br>3<br>2 | 0<br>7<br>3<br>1 | 0<br>5<br>2<br>6 | 0<br>6<br>3<br>4 | 0<br>7<br>3<br>2 | 0<br>6<br>6<br>5 | 0<br>7<br>3<br>2 | 0<br>4<br>0<br>3 | 0<br>5<br>9<br>8 | 0<br>7<br>3<br>2 | 0<br>6<br>3<br>3 | 0<br>7<br>3<br>3 | 0<br>7<br>3<br>3 | 0<br>6<br>9<br>3 | 0<br>5<br>3<br>5 | 0<br>7<br>3<br>3 | 0<br>7<br>2<br>2 | 0<br>6<br>6<br>9 | 0<br>5<br>8<br>3 | 0<br>7<br>3<br>9 | 0<br>6<br>7<br>1 | 0<br>7<br>9<br>2 | 0<br>0<br>0<br>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 | <b>males (cont...)</b> |   |
| 0   | 0 | 0                | 0                | 0                | 0                | 0                | 0                | 0                | 0                | 0                | 0                | 0                | 0                | 0                | 0                | 0                | 0                | 0                | 0                | 0                | 0                | 0                | 0                | 0                | 0                | 0 | 0 | 0 | 0                      | 0 | 0 | 0 | 0 |                        |   |
| 0   | 0 | 0                | 0                | 0                | 0                | 0                | 0                | 0                | 0                | 0                | 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                | 6                | 6                | 6                | 6                | 6                | 6                | 6                | 6                | 6                | 6                | 6                | 7                | 7                | 7                | 7                | 7                | 7 | 7 | 7 | 7                      | 7 | 7 | 7 | 7 |                        |   |
| 1   | 2 | 3                | 4                | 5                | 6                | 7                | 8                | 9                | 0                | 1                | 2                | 3                | 4                | 5                | 6                | 7                | 8                | 9                | 0                | 1                | 2                | 3                | 4                | 5                | 6                | 7 | 8 | 9 | 0                      | 1 | 2 | 3 | 4 |                        | 5 |

|   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|
| 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 |   |  |
| Skin  | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |  |
| Fibrous Histiocytoma                          |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |
| Osteosarcoma                                  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |
| Rhabdomyosarcoma, Metastatic, Skeletal Muscle |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | X |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |
| Pinna, Fibrous Histiocytoma                   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |

| <b>MUSCULOSKELETAL SYSTEM</b> |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |  |  |
|-------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|--|--|
| Bone                          | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |  |  |  |
| Skeletal Muscle               |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |  |  |
| Rhabdomyosarcoma              |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |  |  |

| <b>NERVOUS SYSTEM</b> |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|-----------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Brain                 | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |

| <b>RESPIRATORY SYSTEM</b>                     |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |   |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|---|
| Lung  | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |  |   |
| Alveolar/Bronchiolar Adenoma                  |   |   |   |   |   |   |   |   | X |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  | X |
| Alveolar/Bronchiolar Carcinoma                |   |   |   |   |   |   |   |   |   |   |   | X | X |   |   |   |   |   |   |   |   | X |   |   |   |   |   |   |   |   |   |   |   |   |   |  |   |
| Carcinoma, Metastatic, Pancreas               |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  | X |
| Hepatoblastoma, Metastatic, Liver             |   |   |   |   |   |   |   |   |   |   |   | X |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |   |
| Hepatocellular Carcinoma, Metastatic, Liver   |   |   |   |   |   |   |   |   |   |   | X |   |   |   |   |   |   |   |   |   |   | X |   |   |   |   |   |   |   |   |   |   |   |   |   |  | X |
| Osteosarcoma, Metastatic, Skin                |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |   |
| Rhabdomyosarcoma, Metastatic, Skeletal Muscle |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | X |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |   |

\* .. Total animals with tissue examined microscopically; Total animals with tumor  
 + .. Tissue examined microscopically  
 X .. Lesion present  
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Experiment Number: 20320 - 04

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: MICE/B6C3F1

**P04: NEOPLASMS BY INDIVIDUAL ANIMAL**

Tetrabromobisphenol A

CAS Number: 79-94-7

Date Report Requested: 01/22/2013

Time Report Requested: 10:11:10

First Dose M/F: 08/07/07 / 08/06/07

Lab: BAT

| B6C3F1 MICE MALE<br>250 mg/kg                      | DAY ON TEST | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | ANIMAL ID | males<br>(cont...) |  |
|--|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------|--------------------|--|
|  |             | 6 | 7 | 7 | 5 | 6 | 7 | 6 | 7 | 4 | 5 | 7 | 6 | 7 | 7 | 6 | 5 | 7 | 7 | 6 | 5 | 7 | 6 | 7 | 7 |           |                    |  |
|  |             | 0 | 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 | 1 | 6 | 4 | 2 | 5 | 2 | 3 | 8 | 2 | 3 | 2 | 0 | 3 | 5 | 1 | 2 | 9 | 3 | 9 | 3 | 1 | 7 | 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                  |  |
|  |             | 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         | 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                  |  |
| Nose   |             | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |           |                    |  |
| Trachea  |             | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |           |                    |  |
| <b>SPECIAL SENSES SYSTEM</b>                       |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |           |                    |  |
| Eye  |             | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |           |                    |  |
| Harderian Gland<br>Adenoma<br>Carcinoma            |             | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |           | X                  |  |
| <b>URINARY SYSTEM</b>                              |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |           |                    |  |
| Kidney<br>Renal Tubule, Adenoma                    |             | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |           | X                  |  |
| Urinary Bladder<br>Carcinoma, Metastatic, Pancreas |             | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |           |                    |  |
| <b>SYSTEMIC LESIONS</b>                            |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |           |                    |  |
| Multiple Organ<br>Lymphoma Malignant               |             | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |           | X                  |  |

\* .. Total animals with tissue examined microscopically; Total animals with tumor  
 + .. Tissue examined microscopically  
 X .. Lesion present  
 I .. Insufficient tissue

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

Experiment Number: 20320 - 04  
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 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL  
 Tetrabromobisphenol A  
 CAS Number: 79-94-7

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 Lab: BAT

|                         |                  |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                 |                       |
|-------------------------|------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------|-----------------------|
| <b>B6C3F1 MICE MALE</b> | DAY ON TEST      | 0<br>6<br>0<br>8      | 0<br>7<br>3<br>2      | 0<br>7<br>3<br>2      | 0<br>7<br>3<br>1      | 0<br>7<br>3<br>2      | 0<br>7<br>0<br>0      | 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>6      | 0<br>7<br>4<br>2      | 0<br>7<br>3<br>3      | 0<br>7<br>1<br>4      | 0<br>7<br>3<br>2      | 0<br>7<br>3<br>0      | 0<br>7<br>5<br>1      | 0<br>7<br>8<br>7      | 0<br>7<br>3<br>2      | 0<br>7<br>3<br>2      | 0<br>7<br>4<br>0      | 0<br>7<br>6<br>3      | 0<br>7<br>1<br>3      | 0<br>7<br>1<br>3      | <b>* TOTALS</b> |                       |
|                         | <b>250 mg/kg</b> | 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>8 | 0<br>0<br>0<br>8<br>8 | 0<br>0<br>0<br>8<br>8 | 0<br>0<br>0<br>8<br>8 | 0<br>0<br>0<br>8<br>8 | 0<br>0<br>0<br>8<br>8 | 0<br>0<br>0<br>8<br>8 | 0<br>0<br>0<br>8<br>8 | 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>9 | 0<br>0<br>0<br>9<br>9 | 0<br>0<br>0<br>9<br>9 | 0<br>0<br>0<br>9<br>9 | 0<br>0<br>0<br>9<br>9 | 0<br>0<br>0<br>9<br>9 | 0<br>0<br>0<br>9<br>9 | 0<br>0<br>0<br>9<br>9 | 0<br>0<br>0<br>9<br>9 | 0<br>0<br>0<br>9<br>9 |                 | 0<br>0<br>0<br>9<br>9 |
|                         | 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>8 | 0<br>0<br>0<br>8<br>8 | 0<br>0<br>0<br>8<br>8 | 0<br>0<br>0<br>8<br>8 | 0<br>0<br>0<br>8<br>8 | 0<br>0<br>0<br>8<br>8 | 0<br>0<br>0<br>8<br>8 | 0<br>0<br>0<br>8<br>8 | 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>9 | 0<br>0<br>0<br>9<br>9 | 0<br>0<br>0<br>9<br>9 | 0<br>0<br>0<br>9<br>9 | 0<br>0<br>0<br>9<br>9 | 0<br>0<br>0<br>9<br>9 | 0<br>0<br>0<br>9<br>9 | 0<br>0<br>0<br>9<br>9 | 0<br>0<br>0<br>9<br>9 | 0<br>0<br>0<br>9<br>9 |                 | 0<br>0<br>0<br>9<br>9 |

### ALIMENTARY SYSTEM

|  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |         |              |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---------|--------------|
| Esophagus  | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | +       | 50           |
| Gallbladder<br>Carcinoma, Metastatic, Pancreas               | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | X | + | + | + | +       | 46<br>1      |
| Intestine Large, Cecum<br>Carcinoma, Metastatic, Pancreas    | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | A | 44<br>1 |              |
| Intestine Large, Colon<br>Carcinoma, Metastatic, Pancreas    | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | +       | 46<br>1      |
| Intestine Large, Rectum                                      | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | 46      |              |
| Intestine Small, Duodenum<br>Carcinoma, Metastatic, Pancreas | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | A | + | + | + | + | X | A | + | A       | 41<br>1      |
| Intestine Small, Ileum<br>Carcinoma, Metastatic, Pancreas    | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | X | A | + | A       | 43<br>1      |
| Intestine Small, Jejunum<br>Carcinoma<br>Lymphoma Malignant  | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | A | + | A       | 44<br>1<br>1 |
| Liver<br>Carcinoma, Metastatic, Pancreas                     | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50<br>2 |              |
| Hemangiosarcoma  |   |   |   | X |   |   |   | X | X |   |   |   |   |   |   |   |   |   |   |   |   |   | X |   | 4       |              |
| Hepatoblastoma   |   |   |   | X |   |   | X | X |   |   |   |   |   | X |   |   |   |   |   |   |   |   | X |   | 11      |              |
| Hepatocellular Adenoma                                       | X |   |   |   |   | X |   |   |   |   |   | X |   | X |   |   | X |   | X | X |   |   |   | X | 13      |              |
| Hepatocellular Adenoma, Multiple                             |   | X | X | X |   | X | X | X |   | X |   | X |   | X |   |   | X |   | X | X |   | X |   | X | 20      |              |

\* .. Total animals with tissue examined microscopically; Total animals with tumor  
 + .. Tissue examined microscopically  
 X .. Lesion present  
 I .. Insufficient tissue

M .. Missing tissue  
 A .. Autolysis precludes evaluation  
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Tetrabromobisphenol A

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Lab: BAT

| B6C3F1 MICE MALE<br>250 mg/kg                 | DAY ON TEST              |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       | * TOTALS |       |       |       |       |    |
|---|--------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------|-------|-------|-------|-------|----|
|   | 0608                     | 0732  | 0732  | 0731  | 0770  | 0770  | 0770  | 0770  | 0770  | 0770  | 0770  | 0770  | 0770  | 0770  | 0770  | 0770  | 0770  | 0770  | 0770  | 0770  |          | 0770  |       |       |       |    |
| ANIMAL ID                                     | 00876                    | 00877 | 00878 | 00879 | 00880 | 00881 | 00882 | 00883 | 00884 | 00885 | 00886 | 00887 | 00888 | 00889 | 00890 | 00891 | 00892 | 00893 | 00894 | 00895 | 00896    | 00897 | 00898 | 00899 | 00900 |    |
|   | Hepatocellular Carcinoma |       |       |       | X     | X     |       |       | X     |       | X     |       |       |       |       |       |       |       | X     |       |          |       |       |       |       | 11 |
| Hepatocellular Carcinoma, Multiple            |                          |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |          |       |       |       | 4     |    |
| Osteosarcoma, Metastatic, Skin                |                          |       |       |       |       |       |       |       |       |       |       |       | X     |       |       |       |       |       |       |       |          |       |       |       | 1     |    |
| Rhabdomyosarcoma, Metastatic, Skeletal Muscle |                          |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |          |       |       |       | 1     |    |
| Sarcoma                                       |                          |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |          |       |       |       | 1     |    |
| Mesentery                                     |                          |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       | +     |       |          | +     |       |       | 3     |    |
| Carcinoma, Metastatic, Pancreas               |                          |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |          | X     |       |       | 1     |    |
| Pancreas                                      | +                        | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +        | +     | +     | +     | 50    |    |
| Acinus, Carcinoma                             |                          |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |          | X     |       |       | 2     |    |
| Salivary Glands                               | +                        | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +        | +     | +     | +     | 50    |    |
| Stomach, Forestomach                          | +                        | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +        | +     | +     | +     | 49    |    |
| Stomach, Glandular                            | +                        | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +        | +     | +     | +     | 50    |    |
| Carcinoma, Metastatic, Pancreas               |                          |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |          | X     |       |       | 1     |    |
| Tooth   |                          |       |       |       |       |       |       |       | +     |       |       |       |       | +     |       |       |       |       |       | +     |          |       | +     |       | 9     |    |
| Odontoma                                      |                          |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |          |       |       |       | 1     |    |
| <b>CARDIOVASCULAR SYSTEM</b>                  |                          |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |          |       |       |       |       |    |
| Blood Vessel                                  | +                        | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +        | +     | +     | +     | 50    |    |
| Heart   | +                        | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +        | +     | +     | +     | 50    |    |
| Carcinoma, Metastatic, Pancreas               |                          |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |          | X     |       |       | 1     |    |
| <b>ENDOCRINE SYSTEM</b>                       |                          |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |          |       |       |       |       |    |

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Tetrabromobisphenol A

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Lab: BAT

| B6C3F1 MICE MALE<br>250 mg/kg                                   | DAY ON TEST |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     | * TOTALS |     |     |     |         |             |  |
|---|-------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----------|-----|-----|-----|---------|-------------|--|
|   | 068         | 072 | 072 | 071 | 072 | 077 | 077 | 077 | 077 | 077 | 074 | 076 | 077 | 077 | 077 | 077 | 077 | 076 | 076 | 077 |          | 077 | 074 | 076 | 077     | 077         |  |
| ANIMAL ID   | 000         | 000 | 000 | 000 | 000 | 000 | 000 | 000 | 000 | 000 | 000 | 000 | 000 | 000 | 000 | 000 | 000 | 000 | 000 | 000 | 000      | 000 | 000 | 000 | 000     |             |  |
| Adrenal Cortex<br>Carcinoma, Metastatic, Pancreas               | +           | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +        | +   | +   | +   | 50<br>1 |             |  |
| Adrenal Medulla<br>Pheochromocytoma Complex                     | +           | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | X   | +   | +   | +   | +   | +   | +   | +   | +        | +   | +   | +   | 50<br>1 |             |  |
| Islets, Pancreatic  | +           | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +        | +   | +   | +   | 50      |             |  |
| Parathyroid Gland   | M           | +   | +   | +   | +   | +   | +   | +   | +   | M   | +   | M   | +   | +   | +   | M   | M   | +   | +   | +   | +        | +   | +   | +   | 43      |             |  |
| Pituitary Gland   | +           | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +        | +   | M   | +   | 48      |             |  |
| Thyroid Gland<br>Follicular Cell, Adenoma                       | +           | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +        | +   | +   | +   | 50<br>1 |             |  |
| <b>GENERAL BODY SYSTEM</b>                                      |             |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |          |     |     |     |         |             |  |
| Peritoneum<br>Carcinoma, Metastatic, Pancreas                   |             |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |          |     |     | +   | +       | 2<br>1      |  |
| <b>GENITAL SYSTEM</b>   |             |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |          |     |     |     |         |             |  |
| Coagulating Gland<br>Adenoma<br>Carcinoma, Metastatic, Pancreas |             |     |     |     |     |     |     |     | +   |     |     | +   |     |     |     |     |     |     |     |     |          |     |     | +   |         | 4<br>1<br>2 |  |
| Epididymis<br>Carcinoma, Metastatic, Pancreas                   | +           | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +        | +   | +   | +   | X       | 50<br>2     |  |
| Preputial Gland   | +           | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +        | +   | +   | +   | +       | 50          |  |

\* .. Total animals with tissue examined microscopically; Total animals with tumor  
+ .. Tissue examined microscopically  
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| B6C3F1 MICE MALE | DAY ON TEST |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | * TOTALS |    |    |    |    |    |    |    |
|------------------|-------------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----------|----|----|----|----|----|----|----|
|                  | 06          | 07 | 07 | 07 | 07 | 07 | 07 | 07 | 07 | 07 | 07 | 07 | 07 | 07 | 07 | 07 | 07 | 07 | 07 | 07 | 07 | 07 |          | 07 |    |    |    |    |    |    |
| 250 mg/kg        | 08          | 03 | 03 | 03 | 03 | 00 | 03 | 03 | 03 | 02 | 06 | 02 | 03 | 04 | 02 | 00 | 01 | 07 | 06 | 06 | 07 | 07 | 04       | 06 | 07 | 07 | 01 | 01 | 01 | 03 |
| 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 | 00 | 00 | 00 |
|                  |             | 07 | 07 | 07 | 07 | 08 | 08 | 08 | 08 | 08 | 08 | 08 | 08 | 08 | 08 | 09 | 09 | 09 | 09 | 09 | 09 | 09 | 09       | 09 | 09 | 09 | 09 | 09 | 09 | 09 |
|                  |             | 06 | 07 | 08 | 09 | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07       | 08 | 09 | 09 | 09 | 09 | 09 |    |

|   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|
| 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 | 0  |
| Skin  | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Fibrous Histiocytoma                          |   |   |   | X |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1  |
| Osteosarcoma                                  |   |   |   |   |   |   |   |   |   |   |   |   | X |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1  |
| Rhabdomyosarcoma, Metastatic, Skeletal Muscle |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1  |
| Pinna, Fibrous Histiocytoma                   |   |   |   | X |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1  |

**MUSCULOSKELETAL SYSTEM**

|                  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |   |
|------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|---|
| Bone             | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |   |
| Skeletal Muscle  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    | 1 |
| Rhabdomyosarcoma |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    | 1 |

**NERVOUS SYSTEM**

|       |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |
|-------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|
| Brain | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
|-------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|

**RESPIRATORY SYSTEM**

|   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|
| Lung  | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Alveolar/Bronchiolar Adenoma                  | X |   | X |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 5  |
| Alveolar/Bronchiolar Carcinoma                |   |   |   |   |   |   |   |   |   |   |   |   |   |   | X |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 4  |
| Carcinoma, Metastatic, Pancreas               |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | X |   |   |   |   |   |   | 2  |
| Hepatoblastoma, Metastatic, Liver             |   |   |   |   |   |   |   |   |   |   |   |   |   |   | X |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 2  |
| Hepatocellular Carcinoma, Metastatic, Liver   |   |   |   |   |   |   | X |   |   |   |   |   |   |   |   |   |   |   | X |   |   |   |   |   |   |   |   |   |   | 5  |
| Osteosarcoma, Metastatic, Skin                |   |   |   |   |   |   |   |   |   |   |   |   | X |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1  |
| Rhabdomyosarcoma, Metastatic, Skeletal Muscle |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1  |

\* .. Total animals with tissue examined microscopically; Total animals with tumor  
 + .. Tissue examined microscopically  
 X .. Lesion present  
 I .. Insufficient tissue

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



Experiment Number: 20320 - 04

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: MICE/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Tetrabromobisphenol A

CAS Number: 79-94-7

Date Report Requested: 01/22/2013

Time Report Requested: 10:11:10

First Dose M/F: 08/07/07 / 08/06/07

Lab: BAT

| B6C3F1 MICE MALE<br>250 mg/kg   | DAY ON TEST | 0608 | 0732 | 0732 | 0731 | 0770 | 0773 | 0770 | 0772 | 0776 | 0774 | 0772 | 0773 | 0774 | 0772 | 0770 | 0771 | 0776 | 0778 | 0773 | 0772 | 0770 | 0773 | 0771 | 0773 | * TOTALS |  |
|---------------------------------|-------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|----------|--|
|                                 | 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 |          |  |
| Nose                            |             | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | 50       |  |
| Trachea                         |             | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | 50       |  |
| <b>SPECIAL SENSES SYSTEM</b>    |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |          |  |
| Eye                             |             | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | 50       |  |
| Harderian Gland                 |             | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | 50       |  |
| Adenoma                         |             | X    |      |      |      |      |      |      |      |      | X    |      |      |      |      |      |      |      |      |      | X    |      |      |      |      | 3        |  |
| Carcinoma                       |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | 1        |  |
| <b>URINARY SYSTEM</b>           |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |          |  |
| Kidney                          |             | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | 50       |  |
| Renal Tubule, Adenoma           |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | 1        |  |
| Urinary Bladder                 |             | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | 50       |  |
| Carcinoma, Metastatic, Pancreas |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | X    |      |      | 1        |  |
| <b>SYSTEMIC LESIONS</b>         |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |          |  |
| Multiple Organ                  |             | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | 50       |  |
| Lymphoma Malignant              |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | 1        |  |

\* .. Total animals with tissue examined microscopically; Total animals with tumor  
+ .. Tissue examined microscopically  
X .. Lesion present  
I .. Insufficient tissue

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

|                         |                  |                  |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                            |                       |                       |
|-------------------------|------------------|------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|----------------------------|-----------------------|-----------------------|
| <b>B6C3F1 MICE MALE</b> | DAY ON TEST      | 0<br>7<br>3<br>1 | 0<br>5<br>6<br>8      | 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>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>5<br>3<br>7      | 0<br>7<br>3<br>2      | 0<br>7<br>3<br>3      | 0<br>5<br>3<br>5      | 0<br>7<br>3<br>2      | 0<br>7<br>3<br>3      | 0<br>6<br>3<br>1      | 0<br>7<br>3<br>3      | 0<br>7<br>3<br>3      | 0<br>6<br>7<br>4      | 0<br>7<br>3<br>1      | 0<br>7<br>3<br>1      | 0<br>7<br>3<br>2      | <b>males<br/>(cont...)</b> |                       |                       |
|                         | <b>500 mg/kg</b> | ANIMAL ID        | 0<br>0<br>1<br>0<br>1 | 0<br>0<br>1<br>0<br>2 | 0<br>0<br>1<br>0<br>3 | 0<br>0<br>1<br>0<br>4 | 0<br>0<br>1<br>0<br>5 | 0<br>0<br>1<br>0<br>6 | 0<br>0<br>1<br>0<br>7 | 0<br>0<br>1<br>0<br>8 | 0<br>0<br>1<br>0<br>9 | 0<br>0<br>1<br>0<br>0 | 0<br>0<br>1<br>0<br>1 | 0<br>0<br>1<br>0<br>2 | 0<br>0<br>1<br>0<br>3 | 0<br>0<br>1<br>0<br>4 | 0<br>0<br>1<br>0<br>5 | 0<br>0<br>1<br>0<br>6 | 0<br>0<br>1<br>0<br>7 | 0<br>0<br>1<br>0<br>8 | 0<br>0<br>1<br>0<br>9 | 0<br>0<br>1<br>0<br>0 | 0<br>0<br>1<br>0<br>1 |                            | 0<br>0<br>1<br>0<br>2 | 0<br>0<br>1<br>0<br>3 |

ALIMENTARY SYSTEM

|   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Esophagus   | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Gallbladder   | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Large, Cecum<br>Carcinoma                         | + | + | + | + | + | A | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Large, Colon<br>Adenoma<br>Carcinoma              | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Large, Rectum                                     | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Small, Duodenum                                   | + | + | + | + | + | A | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Small, Ileum                                      | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Small, Jejunum<br>Carcinoma<br>Lymphoma Malignant | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Liver   | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Hemangiosarcoma   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Hepatoblastoma  |   |   |   | X |   |   |   |   |   |   |   |   |   |   |   |   | X | X |   |   |   | X |   |   |   |   |   |
| Hepatocellular Adenoma                                      |   |   |   |   | X |   |   |   |   |   |   | X |   | X |   |   |   |   |   |   |   | X |   |   |   |   |   |
| Hepatocellular Adenoma, Multiple                            | X |   |   |   |   |   |   | X | X | X |   | X | X |   | X |   | X | X |   | X | X | X |   |   |   | X |   |
| Hepatocellular Carcinoma                                    |   | X | X |   |   | X |   | X |   |   | X | X | X |   | X | X |   | X |   |   |   |   |   |   |   |   |   |
| Hepatocellular Carcinoma, Multiple                          |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | X |   |
| Histiocytic Sarcoma   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |

\* .. Total animals with tissue examined microscopically; Total animals with tumor  
 + .. Tissue examined microscopically  
 X .. Lesion present  
 I .. Insufficient tissue

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

**Experiment Number:** 20320 - 04  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** MICE/B6C3F1

**P04: NEOPLASMS BY INDIVIDUAL ANIMAL**  
 Tetrabromobisphenol A  
**CAS Number:** 79-94-7

**Date Report Requested:** 01/22/2013  
**Time Report Requested:** 10:11:10  
**First Dose M/F:** 08/07/07 / 08/06/07  
**Lab:** BAT

| B6C3F1 MICE MALE   |  | DAY ON TEST | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | ANIMAL ID | males<br>(cont...) |
|--|--|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------|--------------------|
| 500 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 |           |                    |
|  |  | 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 |           |                    |
| Lymphoma Malignant   |  | X           |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |           |                    |
| Mesentery<br>Fat, Hepatocellular Carcinoma, Metastatic,<br>Liver |  |             |   |   |   |   |   |   |   | + | + |   |   |   |   |   |   |   |   | + |   |   |   |   |   |   |   |           |                    |
| Pancreas   |  |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |           |                    |
| Salivary Glands<br>Histiocytic Sarcoma                           |  |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |           |                    |
| Stomach, Forestomach<br>Squamous Cell Papilloma                  |  |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |           |                    |
| Stomach, Glandular   |  |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |           |                    |
| Tooth  |  |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |           |                    |
| <b>CARDIOVASCULAR SYSTEM</b>                                     |  |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |           |                    |
| Blood Vessel   |  |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |           |                    |
| Heart  |  |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |           |                    |
| <b>ENDOCRINE SYSTEM</b>  |  |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |           |                    |
| Adrenal Cortex<br>Histiocytic Sarcoma                            |  |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |           |                    |
| Adrenal Medulla  |  |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |           |                    |

\* .. Total animals with tissue examined microscopically; Total animals with tumor  
 + .. Tissue examined microscopically  
 X .. Lesion present  
 I .. Insufficient tissue

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

**Experiment Number:** 20320 - 04  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** MICE/B6C3F1

**P04: NEOPLASMS BY INDIVIDUAL ANIMAL**

Tetrabromobisphenol A

CAS Number: 79-94-7

**Date Report Requested:** 01/22/2013

**Time Report Requested:** 10:11:10

**First Dose M/F:** 08/07/07 / 08/06/07

**Lab:** BAT

| B6C3F1 MICE MALE | DAY ON TEST |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | males<br>(cont...) |
|------------------|-------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|--------------------|
|                  | 0731        | 0731 | 0731 | 0731 | 0731 | 0731 | 0731 | 0731 | 0731 | 0731 | 0731 | 0731 | 0731 | 0731 | 0731 | 0731 | 0731 | 0731 | 0731 | 0731 | 0731 | 0731 | 0731 | 0731 | 0731 |                    |
| 500 mg/kg        | 0010        | 0010 | 0010 | 0010 | 0010 | 0010 | 0010 | 0010 | 0010 | 0010 | 0010 | 0010 | 0010 | 0010 | 0010 | 0010 | 0010 | 0010 | 0010 | 0010 | 0010 | 0010 | 0010 | 0010 | 0010 |                    |
|                  | 1100        | 1100 | 1100 | 1100 | 1100 | 1100 | 1100 | 1100 | 1100 | 1100 | 1100 | 1100 | 1100 | 1100 | 1100 | 1100 | 1100 | 1100 | 1100 | 1100 | 1100 | 1100 | 1100 | 1100 | 1100 |                    |

|                    |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|--------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Islets, Pancreatic | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Parathyroid Gland  | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | M |
| Pituitary Gland    | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M |
| Thyroid Gland      | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |

**GENERAL BODY SYSTEM**

NONE

**GENITAL SYSTEM**

|                     |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|---------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Coagulating Gland   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | + |
| Epididymis          | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Preputial Gland     | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Histiocytic Sarcoma |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Prostate            | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Seminal Vesicle     | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Testes              | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |

**HEMATOPOIETIC SYSTEM**

|                 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|-----------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Bone Marrow     | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Hemangiosarcoma |   |   |   |   |   |   |   |   | X |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |

\* .. Total animals with tissue examined microscopically; Total animals with tumor  
 + .. Tissue examined microscopically  
 X .. Lesion present  
 I .. Insufficient tissue

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

|                         |                  |           |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |                            |
|-------------------------|------------------|-----------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|----------------------------|
| <b>B6C3F1 MICE MALE</b> | DAY ON TEST      | 0731      | 0568 | 0731 | 0771 | 0573 | 0771 | 0773 | 0771 | 0771 | 0777 | 0773 | 0773 | 0575 | 0773 | 0773 | 0773 | 0773 | 0671 | 0773 | 0773 | 0674 | 0773 | 0773 | <b>males<br/>(cont...)</b> |
|                         | <b>500 mg/kg</b> | ANIMAL ID | 0010 | 0011 | 0012 | 0013 | 0014 | 0015 | 0016 | 0017 | 0018 | 0019 | 0020 | 0021 | 0022 | 0023 | 0024 | 0025 | 0026 | 0027 | 0028 | 0029 | 0030 | 0031 |                            |

Histiocytic Sarcoma

Lymph Node  
Hepatocellular Carcinoma, Metastatic, Liver  
Axillary, Lymphoma Malignant  
Lumbar, Lymphoma Malignant  
Renal, Lymphoma Malignant

+  
X

Lymph Node, Mandibular  
Lymphoma Malignant

+ +

Lymph Node, Mesenteric  
Hemangiosarcoma, Metastatic, Spleen  
Histiocytic Sarcoma  
Lymphoma Malignant

+ +

X

Spleen  
Hemangioma  
Hemangiosarcoma  
Histiocytic Sarcoma  
Lymphoma Malignant

+ +

X  
X  
X

Thymus

+ + + + + + + + M + + M M + M + + + M + + M + + +

**INTEGUMENTARY SYSTEM**

Mammary Gland

M M

Skin  
Hemangiosarcoma  
Histiocytic Sarcoma

+ +

X

X

\* .. Total animals with tissue examined microscopically; Total animals with tumor  
+ .. Tissue examined microscopically  
X .. Lesion present  
I .. Insufficient tissue

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

Experiment Number: 20320 - 04  
Test Type: CHRONIC  
Route: GAVAGE  
Species/Strain: MICE/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL  
Tetrabromobisphenol A  
CAS Number: 79-94-7

Date Report Requested: 01/22/2013  
Time Report Requested: 10:11:10  
First Dose M/F: 08/07/07 / 08/06/07  
Lab: BAT

| B6C3F1 MICE MALE | DAY ON TEST | 0 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | males<br>(cont...) |   |   |   |
|------------------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--------------------|---|---|---|
|                  |             | 7 | 5 | 7 | 7 | 7 | 5 | 7 | 7 | 7 | 7 | 5 | 7 | 7 | 5 | 7 | 7 | 7 | 7 | 6 | 7 |                    | 7 | 6 | 7 |
| 500 mg/kg        | ANIMAL ID   | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0                  | 0 | 0 | 0 |
|                  |             | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1                  | 1 | 1 | 1 |
|                  |             | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 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 |

Melanoma Benign

**MUSCULOSKELETAL SYSTEM**

Bone  
Vertebra, Hemangiosarcoma

+ +

Skeletal Muscle  
Histiocytic Sarcoma

**NERVOUS SYSTEM**

Brain

+ +

**RESPIRATORY SYSTEM**

Lung  
Alveolar/Bronchiolar Adenoma  
Alveolar/Bronchiolar Carcinoma  
Hepatoblastoma, Metastatic, Liver  
Hepatocellular Carcinoma, Metastatic, Liver  
Serosa, Hemangiosarcoma

+ +

X

X

X

X

X

Nose  
Histiocytic Sarcoma

+ +

Trachea

+ +

**SPECIAL SENSES SYSTEM**

Eye

+ +

\* .. Total animals with tissue examined microscopically; Total animals with tumor  
+ .. Tissue examined microscopically  
X .. Lesion present  
I .. Insufficient tissue

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

Experiment Number: 20320 - 04

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: MICE/B6C3F1

**P04: NEOPLASMS BY INDIVIDUAL ANIMAL**

Tetrabromobisphenol A

CAS Number: 79-94-7

Date Report Requested: 01/22/2013

Time Report Requested: 10:11:10

First Dose M/F: 08/07/07 / 08/06/07

Lab: BAT

| B6C3F1 MICE MALE        | DAY ON TEST | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | ANIMAL ID | males<br>(cont...) |
|-------------------------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------|--------------------|
|                         |             | 7 | 5 | 7 | 7 | 7 | 5 | 7 | 7 | 7 | 7 | 5 | 7 | 7 | 5 | 7 | 7 | 7 | 7 | 6 | 7 | 7 | 7 | 6 | 7 |           |                    |
| 500 mg/kg               |             | 3 | 6 | 3 | 3 | 3 | 1 | 3 | 3 | 3 | 3 | 7 | 3 | 3 | 3 | 2 | 3 | 3 | 1 | 3 | 3 | 3 | 3 | 4 | 3 | 3         |                    |
|                         |             | 1 | 8 | 1 | 1 | 1 | 3 | 1 | 1 | 1 | 1 | 2 | 1 | 5 | 0 | 2 | 1 | 1 | 3 | 1 | 2 | 0 | 4 | 1 | 3 | 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                  |
|                         |             | 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                  |
| Harderian Gland         |             | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | +         |                    |
| Adenoma                 |             |   |   |   |   |   |   | X |   |   |   |   |   |   |   |   |   |   | X |   | X |   |   |   |   |           |                    |
| Carcinoma               |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |           |                    |
| Lymphoma Malignant      |             |   |   |   |   |   | X |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |           |                    |
| <b>URINARY SYSTEM</b>   |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |           |                    |
| Kidney                  |             | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | +         |                    |
| Histiocytic Sarcoma     |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |           |                    |
| Lymphoma Malignant      |             |   |   |   |   |   | X |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |           |                    |
| Renal Tubule, Adenoma   |             |   |   |   |   |   |   |   |   | X |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |           |                    |
| Urinary Bladder         |             | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | +         |                    |
| <b>SYSTEMIC LESIONS</b> |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |           |                    |
| Multiple Organ          |             | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | +         |                    |
| Histiocytic Sarcoma     |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | X |   |   |   |           |                    |
| Lymphoma Malignant      |             |   |   |   |   |   | X |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |           |                    |

\* .. Total animals with tissue examined microscopically; Total animals with tumor  
+ .. Tissue examined microscopically  
X .. Lesion present  
I .. Insufficient tissue

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

Experiment Number: 20320 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL  
 Tetrabromobisphenol A  
 CAS Number: 79-94-7

Date Report Requested: 01/22/2013  
 Time Report Requested: 10:11:10  
 First Dose M/F: 08/07/07 / 08/06/07  
 Lab: BAT

| B6C3F1 MICE MALE<br>500 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   | 7 | 7 | 5 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 5 | 7 | 6 | 7 | 7 | 7 |
|                               |             | 3 | 1 | 4 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 2 | 3 | 6 | 3 | 3 | 3 |   |
|                               |             | 2 | 4 | 0 | 2 | 1 | 2 | 1 | 0 | 2 | 2 | 0 | 1 | 1 | 2 | 1 | 2 | 2 | 0 | 0 | 8 | 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 |   |
|                               |             | 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 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |   |
|                               |             | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |   |
| <b>* TOTALS</b>               |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |

**ALIMENTARY SYSTEM**

|   |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|---|---|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| Esophagus   | +   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 50                                       |
| Gallbladder   | +   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 50                                       |
| Intestine Large, Cecum<br>Carcinoma   | + A + + + + + +   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 47<br>1                                  |
| Intestine Large, Colon<br>Adenoma<br>Carcinoma  | +<br>X  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 50<br>1<br>1                             |
| Intestine Large, Rectum   | +   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 50                                       |
| Intestine Small, Duodenum   | +   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 48                                       |
| Intestine Small, Ileum  | +   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 50                                       |
| Intestine Small, Jejunum<br>Carcinoma<br>Lymphoma Malignant   | +<br>X  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 49<br>2<br>1                             |
| Liver<br>Hemangiosarcoma<br>Hepatoblastoma<br>Hepatocellular Adenoma<br>Hepatocellular Adenoma, Multiple<br>Hepatocellular Carcinoma<br>Hepatocellular Carcinoma, Multiple<br>Histiocytic Sarcoma | +<br>X<br>X<br>X<br>X<br>X<br>X<br>X<br>X<br>X<br>X<br>X<br>X<br>X<br>X<br>X<br>X<br>X<br>X<br>X<br>X<br>X<br>X<br>X<br>X |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 50<br>3<br>8<br>10<br>28<br>12<br>5<br>1 |

\* .. Total animals with tissue examined microscopically; Total animals with tumor  
 + .. Tissue examined microscopically  
 X .. Lesion present  
 I .. Insufficient tissue

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



Experiment Number: 20320 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL  
 Tetrabromobisphenol A  
 CAS Number: 79-94-7

Date Report Requested: 01/22/2013  
 Time Report Requested: 10:11:10  
 First Dose M/F: 08/07/07 / 08/06/07  
 Lab: BAT

| B6C3F1 MICE MALE<br>500 mg/kg                                    |  | DAY ON TEST        |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | * TOTALS |   |
|--|--|--------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|----------|---|
|  |  | 0732               | 0734 | 0750 | 0773 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 |          |   |
| 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 |          |   |
|  |  | Lymphoma Malignant |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |          | 1 |
| Mesentery<br>Fat, Hepatocellular Carcinoma, Metastatic,<br>Liver |  |                    |      |      |      |      |      |      |      |      |      |      |      |      | +    |      |      |      |      |      |      |      |      |      |      | 4<br>1   |   |
| Pancreas   |  |                    |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | 50       |   |
| Salivary Glands<br>Histiocytic Sarcoma                           |  |                    |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | 50<br>1  |   |
| Stomach, Forestomach<br>Squamous Cell Papilloma                  |  |                    |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | 50<br>1  |   |
| Stomach, Glandular   |  |                    |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | 50       |   |
| Tooth  |  |                    |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | 9        |   |
| <b>CARDIOVASCULAR SYSTEM</b>                                     |  |                    |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |          |   |
| Blood Vessel   |  |                    |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | 50       |   |
| Heart  |  |                    |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | 50       |   |
| <b>ENDOCRINE SYSTEM</b>  |  |                    |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |          |   |
| Adrenal Cortex<br>Histiocytic Sarcoma                            |  |                    |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | 50<br>1  |   |
| Adrenal Medulla  |  |                    |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | 50       |   |

\* .. Total animals with tissue examined microscopically; Total animals with tumor  
 + .. Tissue examined microscopically  
 X .. Lesion present  
 I .. Insufficient tissue

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

**Experiment Number:** 20320 - 04  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** MICE/B6C3F1

**P04: NEOPLASMS BY INDIVIDUAL ANIMAL**

Tetrabromobisphenol A

CAS Number: 79-94-7

**Date Report Requested:** 01/22/2013  
**Time Report Requested:** 10:11:10  
**First Dose M/F:** 08/07/07 / 08/06/07  
**Lab:** BAT

| <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               |  |
|-----------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------------|--|
|                             | <b>ANIMAL ID</b>                                |   | 7 | 7 | 5 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 5 | 7 | 6 | 7 | 7 | 7               |  |
| <b>500 mg/kg</b>            | 3   | 4 | 1 | 4 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 2 | 3 | 6 | 3 | 3 | 3 |                 |  |
|                             | 2   | 4 | 0 | 2 | 1 | 2 | 1 | 0 | 2 | 2 | 0 | 1 | 1 | 2 | 2 | 1 | 2 | 2 | 2 | 0 | 8 | 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 |                 |  |
|                             | 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 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |                 |  |
|                             | 6   | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | <b>* TOTALS</b> |  |
| Islets, Pancreatic          | + |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | <b>50</b>       |  |
| Parathyroid Gland           | + |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | <b>48</b>       |  |
| Pituitary Gland             | + + + + M + + + + + + + + + + + + + + + + + + + |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | <b>48</b>       |  |
| Thyroid Gland               | + |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | <b>50</b>       |  |
| <b>GENERAL BODY SYSTEM</b>  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |                 |  |
| NONE                        |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |                 |  |
| <b>GENITAL SYSTEM</b>       |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |                 |  |
| Coagulating Gland           |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | <b>1</b>        |  |
| Epididymis                  | + |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | <b>50</b>       |  |
| Preputial Gland             | + |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | <b>50</b>       |  |
| Histiocytic Sarcoma         | X   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | <b>1</b>        |  |
| Prostate                    | + |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | <b>50</b>       |  |
| Seminal Vesicle             | + |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | <b>50</b>       |  |
| Testes                      | + |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | <b>50</b>       |  |
| <b>HEMATOPOIETIC SYSTEM</b> |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |                 |  |
| Bone Marrow                 | + |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | <b>50</b>       |  |
| Hemangiosarcoma             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | <b>1</b>        |  |

\* .. Total animals with tissue examined microscopically; Total animals with tumor  
+ .. Tissue examined microscopically  
X .. Lesion present  
I .. Insufficient tissue

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

Experiment Number: 20320 - 04

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: MICE/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Tetrabromobisphenol A

CAS Number: 79-94-7

Date Report Requested: 01/22/2013

Time Report Requested: 10:11:10

First Dose M/F: 08/07/07 / 08/06/07

Lab: BAT

| B6C3F1 MICE MALE<br>500 mg/kg               | DAY ON TEST                                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | * TOTALS              |
|---|---|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
|   | 0<br>7<br>3<br>2                                  | 0<br>7<br>1<br>4      | 0<br>5<br>4<br>0      | 0<br>7<br>3<br>2      | 0<br>7<br>3<br>1      | 0<br>7<br>3<br>2      | 0<br>7<br>3<br>1      | 0<br>7<br>3<br>0      | 0<br>7<br>3<br>2      | 0<br>7<br>3<br>2      | 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>2      | 0<br>7<br>3<br>2      | 0<br>7<br>3<br>1      | 0<br>7<br>3<br>2      | 0<br>5<br>2<br>2      | 0<br>7<br>3<br>0      | 0<br>6<br>6<br>8      | 0<br>7<br>3<br>0      | 0<br>7<br>3<br>2      | 0<br>7<br>3<br>1      |                       |                       |
|   | ANIMAL ID   |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |
|   | 0<br>0<br>1<br>2<br>6                             | 0<br>0<br>1<br>2<br>7 | 0<br>0<br>1<br>2<br>8 | 0<br>0<br>1<br>2<br>9 | 0<br>0<br>1<br>3<br>0 | 0<br>0<br>1<br>3<br>1 | 0<br>0<br>1<br>3<br>2 | 0<br>0<br>1<br>3<br>3 | 0<br>0<br>1<br>3<br>4 | 0<br>0<br>1<br>3<br>5 | 0<br>0<br>1<br>3<br>6 | 0<br>0<br>1<br>3<br>7 | 0<br>0<br>1<br>3<br>8 | 0<br>0<br>1<br>3<br>9 | 0<br>0<br>1<br>4<br>0 | 0<br>0<br>1<br>4<br>1 | 0<br>0<br>1<br>4<br>2 | 0<br>0<br>1<br>4<br>3 | 0<br>0<br>1<br>4<br>4 | 0<br>0<br>1<br>4<br>5 | 0<br>0<br>1<br>4<br>6 | 0<br>0<br>1<br>4<br>7 | 0<br>0<br>1<br>4<br>8 | 0<br>0<br>1<br>4<br>9 | 0<br>0<br>1<br>5<br>0 |
| Histiocytic Sarcoma                         | X   |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | 1                     |
| Lymph Node                                  |   |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | 2                     |
| Hepatocellular Carcinoma, Metastatic, Liver |   |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | 1                     |
| Axillary, Lymphoma Malignant                |   |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | 1                     |
| Lumbar, Lymphoma Malignant                  |   |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | 1                     |
| Renal, Lymphoma Malignant                   |   |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | 1                     |
| Lymph Node, Mandibular                      | +   |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | 50                    |
| Lymphoma Malignant                          |   |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | 1                     |
| Lymph Node, Mesenteric                      | +   |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | 50                    |
| Hemangiosarcoma, Metastatic, Spleen         |   |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | 1                     |
| Histiocytic Sarcoma                         |   |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | 1                     |
| Lymphoma Malignant                          |   |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | 1                     |
| Spleen                                      | +   |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | 50                    |
| Hemangioma                                  |   |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | 1                     |
| Hemangiosarcoma                             |   |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | 4                     |
| Histiocytic Sarcoma                         | X   |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | 1                     |
| Lymphoma Malignant                          |   |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | 1                     |
| Thymus                                      | + M + + + + + + + + + + + + + M + + + + + M + + + |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | 41                    |
| <b>INTEGUMENTARY SYSTEM</b>                 |   |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |
| Mammary Gland                               | M   |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | 0                     |
| Skin  | +   |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | 50                    |
| Hemangiosarcoma                             |   |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | 2                     |
| Histiocytic Sarcoma                         | X   |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | 1                     |

\* .. Total animals with tissue examined microscopically; Total animals with tumor  
+ .. Tissue examined microscopically  
X .. Lesion present  
I .. Insufficient tissue

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

Experiment Number: 20320 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL  
 Tetrabromobisphenol A  
 CAS Number: 79-94-7

Date Report Requested: 01/22/2013  
 Time Report Requested: 10:11:10  
 First Dose M/F: 08/07/07 / 08/06/07  
 Lab: BAT

| B6C3F1 MICE MALE                            | DAY ON TEST |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | * TOTALS |
|---|-------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|----------|
|   | 0732        | 0734 | 0750 | 0773 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 |      |          |
| 500 mg/kg                                   | 0026        | 0007 | 0008 | 0009 | 0010 | 0011 | 0012 | 0013 | 0014 | 0015 | 0016 | 0017 | 0018 | 0019 | 0020 | 0021 | 0022 | 0023 | 0024 | 0025 | 0026 | 0027 | 0028 | 0029 | 0030 |          |
|   |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |          |
| Melanoma Benign                             |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | X        |
|   |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | 1        |
| <b>MUSCULOSKELETAL SYSTEM</b>               |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |          |
| Bone  | +           | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | 50       |
| Vertebra, Hemangiosarcoma                   |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | X    | 1        |
| Skeletal Muscle                             |             | +    |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | 1        |
| Histiocytic Sarcoma                         |             | X    |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | 1        |
| <b>NERVOUS SYSTEM</b>                       |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |          |
| Brain                                       | +           | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | 50       |
| <b>RESPIRATORY SYSTEM</b>                   |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |          |
| Lung  | +           | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | 50       |
| Alveolar/Bronchiolar Adenoma                |             |      |      |      |      |      |      |      |      | X    |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | 2        |
| Alveolar/Bronchiolar Carcinoma              |             |      |      |      |      |      |      |      | X    |      |      | X    |      |      | X    |      | X    |      |      |      |      |      |      | X    | 7    |          |
| Hepatoblastoma, Metastatic, Liver           |             |      |      |      |      |      |      | X    |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | 1        |
| Hepatocellular Carcinoma, Metastatic, Liver |             | X    |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | 4        |
| Serosa, Hemangiosarcoma                     |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | X    |      | 1        |
| Nose  | +           | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | 50       |
| Histiocytic Sarcoma                         |             | X    |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | 1        |
| Trachea                                     | +           | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | 50       |
| <b>SPECIAL SENSES SYSTEM</b>                |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |          |
| Eye   | +           | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | 50       |

\* .. Total animals with tissue examined microscopically; Total animals with tumor  
 + .. Tissue examined microscopically  
 X .. Lesion present  
 I .. Insufficient tissue

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

Experiment Number: 20320 - 04

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: MICE/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Tetrabromobisphenol A

CAS Number: 79-94-7

Date Report Requested: 01/22/2013

Time Report Requested: 10:11:10

First Dose M/F: 08/07/07 / 08/06/07

Lab: BAT

| B6C3F1 MICE MALE<br>500 mg/kg | DAY ON TEST | ANIMAL ID |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | * TOTALS |
|-------------------------------|-------------|-----------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|----------|
|                               |             | 0732      | 0734 | 0740 | 0753 | 0771 | 0772 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 |          |
| Harderian Gland               |             | +         | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | 50   |          |
| Adenoma                       |             |           |      |      |      |      |      |      |      | X    |      |      |      |      |      |      |      | X    | X    |      |      |      | X    |      | 7    |          |
| Carcinoma                     |             |           |      |      |      |      |      |      |      |      |      |      |      | X    |      |      |      |      |      |      |      | X    |      |      | 2    |          |
| Lymphoma Malignant            |             |           |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | 1    |          |
| <b>URINARY SYSTEM</b>         |             |           |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |          |
| Kidney                        |             | +         | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | 50   |          |
| Histiocytic Sarcoma           |             |           | X    |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | 1    |          |
| Lymphoma Malignant            |             |           |      |      |      |      |      |      |      |      |      |      |      |      |      | X    |      |      |      |      |      |      |      |      | 2    |          |
| Renal Tubule, Adenoma         |             |           |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | 1    |          |
| Urinary Bladder               |             | +         | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | 50   |          |
| <b>SYSTEMIC LESIONS</b>       |             |           |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |          |
| Multiple Organ                |             | +         | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | 50   |          |
| Histiocytic Sarcoma           |             |           | X    |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | 2    |          |
| Lymphoma Malignant            |             |           |      |      |      |      |      |      |      |      |      |      |      |      |      | X    |      |      |      |      |      |      |      |      | 2    |          |

\* .. Total animals with tissue examined microscopically; Total animals with tumor  
+ .. Tissue examined microscopically  
X .. Lesion present  
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Tetrabromobisphenol A

CAS Number: 79-94-7

Date Report Requested: 01/22/2013

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Lab: BAT

|                         |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |                            |
|-------------------------|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------------------------|
| <b>B6C3F1 MICE MALE</b> | DAY ON TEST | 0731  | 0737  | 0738  | 0668  | 0558  | 0551  | 0668  | 0771  | 0773  | 0773  | 0771  | 0665  | 0551  | 0773  | 0668  | 0555  | 0553  | 0663  | 0378  | 0773  | 0441  | 0554  | 0445  | <b>males<br/>(cont...)</b> |
|                         | 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 |                            |

**ALIMENTARY SYSTEM**

|                                    |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|------------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Esophagus                          | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Leukemia Granulocytic              |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Gallbladder                        | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + |
| Intestine Large, Cecum             | + | A | + | + | + | + | + | + | A | + | + | A | A | + | + | + | + | + | + | + | A | + | A |   |
| Intestine Large, Colon             | + | A | + | + | + | + | + | + | A | + | + | A | + | + | + | + | + | + | A | + | + | + | A |   |
| Intestine Large, Rectum            | + | A | + | + | + | + | + | + | A | + | + | A | + | + | + | + | + | + | + | + | + | + | A |   |
| Intestine Small, Duodenum          | + | A | + | + | + | + | + | + | A | + | + | A | + | + | + | + | A | + | A | + | A | A | A |   |
| Intestine Small, Ileum             | + | A | + | + | + | + | + | + | A | + | + | A | A | + | + | + | + | + | + | + | A | + | A |   |
| Intestine Small, Jejunum           | + | A | + | + | + | + | + | + | A | + | + | A | + | + | + | + | + | + | A | + | A | + | A |   |
| Adenoma                            |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | X |   |
| Carcinoma                          |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | X |   |   |   |   |   |   |
| Liver                              | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |   |
| Hemangioma                         |   |   |   |   | X |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Hemangiosarcoma                    |   |   |   |   |   |   |   | X |   |   |   |   | X |   |   |   |   |   |   |   |   |   |   |   |
| Hepatoblastoma                     |   |   |   | X |   |   |   |   |   |   |   |   |   |   |   |   | X |   |   |   |   |   |   |   |
| Hepatocellular Adenoma             |   |   |   |   |   |   |   | X |   |   |   |   |   | X |   |   |   |   | X |   | X |   | X |   |
| Hepatocellular Adenoma, Multiple   | X |   |   | X |   |   |   | X |   |   |   | X |   |   |   | X |   | X |   |   |   | X |   |   |
| Hepatocellular Carcinoma           | X | X |   |   | X |   |   |   |   |   |   |   |   |   |   |   |   | X |   |   |   | X |   |   |
| Hepatocellular Carcinoma, Multiple |   |   |   |   |   | X |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Leukemia Granulocytic              |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |

\* .. Total animals with tissue examined microscopically; Total animals with tumor  
 + .. Tissue examined microscopically  
 X .. Lesion present  
 I .. Insufficient tissue

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

Experiment Number: 20320 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL  
 Tetrabromobisphenol A  
 CAS Number: 79-94-7

Date Report Requested: 01/22/2013  
 Time Report Requested: 10:11:10  
 First Dose M/F: 08/07/07 / 08/06/07  
 Lab: BAT

| B6C3F1 MICE MALE<br>1000 mg/kg | DAY ON TEST | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | ANIMAL ID | males<br>(cont...) |
|--------------------------------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------|--------------------|
|                                | 7           | 7 | 7 | 6 | 6 | 5 | 5 | 6 | 7 | 4 | 7 | 7 | 7 | 6 | 5 | 7 | 6 | 5 | 5 | 6 | 3 | 7 | 4 | 5 | 4 |           |                    |
|                                | 3           | 0 | 3 | 8 | 0 | 8 | 1 | 8 | 3 | 2 | 3 | 3 | 1 | 5 | 1 | 3 | 8 | 0 | 3 | 3 | 8 | 3 | 1 | 4 | 6 |           |                    |
|                                | 1           | 7 | 2 | 6 | 9 | 5 | 1 | 6 | 1 | 1 | 1 | 0 | 8 | 3 | 1 | 0 | 8 | 2 | 7 | 3 | 5 | 0 | 1 | 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 | 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 |   |           |                    |
|                                | 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 |           |                    |

Mesentery  
Hemangiosarcoma

+  
X

Pancreas

Salivary Glands

Stomach, Forestomach

Stomach, Glandular

Tooth

+

CARDIOVASCULAR SYSTEM

Blood Vessel

Heart

ENDOCRINE SYSTEM

Adrenal Cortex  
Leukemia Granulocytic

Adrenal Medulla

Islets, Pancreatic

Parathyroid Gland

Pituitary Gland

\* .. Total animals with tissue examined microscopically; Total animals with tumor  
 + .. Tissue examined microscopically  
 X .. Lesion present  
 I .. Insufficient tissue

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

Experiment Number: 20320 - 04

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: MICE/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Tetrabromobisphenol A

CAS Number: 79-94-7

Date Report Requested: 01/22/2013

Time Report Requested: 10:11:10

First Dose M/F: 08/07/07 / 08/06/07

Lab: BAT

|                         |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |                            |
|-------------------------|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------------------------|
| <b>B6C3F1 MICE MALE</b> | DAY ON TEST | 0731  | 0731  | 0732  | 0668  | 0669  | 0558  | 0551  | 0668  | 0771  | 0771  | 0773  | 0778  | 0663  | 0551  | 0773  | 0668  | 0550  | 0553  | 0663  | 0385  | 0773  | 0411  | 0554  | 0775  | 0446  | 0555  | <b>males<br/>(cont...)</b> |
|                         | 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 | 00176 |                            |

Thyroid Gland

+ +

GENERAL BODY SYSTEM

NONE

GENITAL SYSTEM

Epididymis

+ +

Preputial Gland

+ +

Prostate

+ +

Seminal Vesicle

+ +

Testes

+ +

HEMATOPOIETIC SYSTEM

Bone Marrow

+ +

Lymph Node, Mandibular

+ +

Lymph Node, Mesenteric  
Leukemia Granulocytic

+ +

Spleen  
Hemangiosarcoma  
Leukemia Granulocytic

+  
X X

\* .. Total animals with tissue examined microscopically; Total animals with tumor  
+ .. Tissue examined microscopically  
X .. Lesion present  
I .. Insufficient tissue

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



Experiment Number: 20320 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL  
 Tetrabromobisphenol A  
 CAS Number: 79-94-7

Date Report Requested: 01/22/2013  
 Time Report Requested: 10:11:10  
 First Dose M/F: 08/07/07 / 08/06/07  
 Lab: BAT

| B6C3F1 MICE MALE<br>1000 mg/kg | DAY ON TEST | 0731  | 0737  | 0742  | 0668  | 0669  | 0558  | 0551  | 0668  | 0671  | 0674  | 0677  | 0678  | 0665  | 0673  | 0673  | 0668  | 0650  | 0653  | 0638  | 0733  | 0741  | 0545  | 0454  | males<br>(cont...) |
|--------------------------------|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------------------|
|                                | ANIMAL ID   | 00151 | 00011 | 00011 | 00011 | 00011 | 00011 | 00011 | 00011 | 00011 | 00011 | 00011 | 00011 | 00011 | 00011 | 00011 | 00011 | 00011 | 00011 | 00011 | 00011 | 00011 | 00011 | 00011 |                    |

Thymus + + + + + + + + + + + + + + + + + + + M + + + M +  
 Leukemia Granulocytic

**INTEGUMENTARY SYSTEM**

Mammary Gland M  
 Skin +  
 Fibrous Histiocytoma  
 Subcutaneous Tissue, Lipoma X

**MUSCULOSKELETAL SYSTEM**

Bone +

**NERVOUS SYSTEM**

Brain +  
 Peripheral Nerve +  
 Spinal Cord +

**RESPIRATORY SYSTEM**

Lung +  
 Alveolar/Bronchiolar Adenoma X  
 Alveolar/Bronchiolar Carcinoma X  
 Hepatocellular Carcinoma, Metastatic, Liver X  
 Nose +

\* .. Total animals with tissue examined microscopically; Total animals with tumor  
 + .. Tissue examined microscopically  
 X .. Lesion present  
 I .. Insufficient tissue

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

Experiment Number: 20320 - 04

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: MICE/B6C3F1

**P04: NEOPLASMS BY INDIVIDUAL ANIMAL**

Tetrabromobisphenol A

CAS Number: 79-94-7

Date Report Requested: 01/22/2013

Time Report Requested: 10:11:10

First Dose M/F: 08/07/07 / 08/06/07

Lab: BAT

|                         |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |                            |
|-------------------------|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------------------------|
| <b>B6C3F1 MICE MALE</b> | DAY ON TEST | 0731  | 0731  | 0732  | 0668  | 0669  | 0558  | 0551  | 0668  | 0771  | 0771  | 0773  | 0771  | 0663  | 0551  | 0773  | 0668  | 0552  | 0557  | 0663  | 0385  | 0773  | 0411  | 0554  | 0456  | 0456  | <b>males<br/>(cont...)</b> |
|                         | 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 |                            |

Trachea +

**SPECIAL SENSES SYSTEM**

Eye +

Harderian Gland Adenoma +  
 X

**URINARY SYSTEM**

Kidney Hemangiosarcoma + A +  
 Leukemia Granulocytic X  
 Renal Tubule, Adenoma X

Urinary Bladder +

**SYSTEMIC LESIONS**

Multiple Organ Leukemia Granulocytic +

\* .. Total animals with tissue examined microscopically; Total animals with tumor  
 + .. Tissue examined microscopically  
 X .. Lesion present  
 I .. Insufficient tissue

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

Experiment Number: 20320 - 04

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: MICE/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Tetrabromobisphenol A

CAS Number: 79-94-7

Date Report Requested: 01/22/2013

Time Report Requested: 10:11:10

First Dose M/F: 08/07/07 / 08/06/07

Lab: BAT

|                         |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |                 |   |   |
|-------------------------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------------|---|---|
| <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 |                 |   |   |
|                         |             | 7 | 4 | 6 | 2 | 2 | 7 | 5 | 7 | 7 | 5 | 7 | 7 | 6 | 6 | 5 | 6 | 1 | 4 | 4 | 4 | 4 | 5 | 3 |                 | 5 | 7 |
|                         |             | 3 | 5 | 1 | 3 | 1 | 3 | 4 | 3 | 3 | 9 | 3 | 0 | 1 | 6 | 2 | 6 | 3 | 8 | 2 | 0 | 5 | 4 | 4 |                 | 2 | 0 |
| <b>1000 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               |   |   |
|                         |             | 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 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 0 | <b>* TOTALS</b> |   |   |
|                         |             | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |                 |   |   |
|                         |             | 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 |
| Leukemia Granulocytic              |   |   |   |   |   |   |   |   | X |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1  |
| Gallbladder                        | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 |
| Intestine Large, Cecum             | + | + | + | + | + | + | + | + | + | + | A | + | + | + | A | A | + | + | A | + | A | + | A | 38 |
| Intestine Large, Colon             | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | A | A | + | A | + | A | 40 |
| Intestine Large, Rectum            | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | A | + | A | A | + | + | + | A | 41 |
| Intestine Small, Duodenum          | + | A | + | A | + | + | A | + | + | + | + | + | A | + | + | + | + | A | A | A | A | A | A | 31 |
| Intestine Small, Ileum             | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | A | + | + | A | + | + | 40 |
| Intestine Small, Jejunum           | + | + | + | + | + | + | + | + | + | + | + | + | A | A | + | + | + | A | + | + | A | + | A | 38 |
| Adenoma                            |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1  |
| Carcinoma                          |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1  |
| Liver                              | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Hemangioma                         |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1  |
| Hemangiosarcoma                    |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 2  |
| Hepatoblastoma                     |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | X |   |   |   |   |   |   | 3  |
| Hepatocellular Adenoma             |   |   |   |   |   |   |   |   |   |   |   | X | X |   |   |   |   |   |   |   | X | X |   | 9  |
| Hepatocellular Adenoma, Multiple   |   |   |   |   |   |   |   | X | X |   | X |   |   |   |   | X |   |   |   |   |   |   | X | 12 |
| Hepatocellular Carcinoma           |   | X |   |   |   |   |   |   |   |   | X |   |   |   |   |   |   |   |   |   |   |   |   | 7  |
| Hepatocellular Carcinoma, Multiple |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | X |   |   |   |   |   |   |   | 2  |
| Leukemia Granulocytic              |   |   |   |   |   |   |   |   |   | X |   |   |   |   |   |   |   |   |   |   |   |   |   | 1  |

\* .. Total animals with tissue examined microscopically; Total animals with tumor  
 + .. Tissue examined microscopically  
 X .. Lesion present  
 I .. Insufficient tissue

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

Experiment Number: 20320 - 04

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: MICE/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Tetrabromobisphenol A

CAS Number: 79-94-7

Date Report Requested: 01/22/2013

Time Report Requested: 10:11:10

First Dose M/F: 08/07/07 / 08/06/07

Lab: BAT

| B6C3F1 MICE MALE<br>1000 mg/kg       |   | DAY ON TEST               |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        | * TOTALS |        |        |        |      |    |    |
|--------------------------------------|---|---------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|----------|--------|--------|--------|------|----|----|
|                                      |   | 0730                      | 0745   | 0761   | 0723   | 0722   | 0777   | 0755   | 0777   | 0777   | 0755   | 0777   | 0766   | 0766   | 0755   | 0766   | 0711   | 0744   | 0744   | 0744   | 0744   |          | 0755   | 0733   | 0755   | 0777 |    |    |
| ANIMAL ID                            |   | 001766                    | 000778 | 000778 | 000779 | 000770 | 000771 | 000771 | 000771 | 000771 | 000771 | 000771 | 000771 | 000771 | 000771 | 000771 | 000771 | 000771 | 000771 | 000771 | 000771 | 000771   | 000771 | 000771 | 000771 |      |    |    |
|                                      |   | Mesentery Hemangiosarcoma |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |          |        |        |        |      | +  | 21 |
| Pancreas                             | + | +                         | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +        | +      | +      | +      |      | 50 |    |
| Salivary Glands                      | + | +                         | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +        | +      | +      | +      |      | 50 |    |
| Stomach, Forestomach                 | + | +                         | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +        | +      | +      | +      |      | 49 |    |
| Stomach, Glandular                   | + | +                         | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +        | +      | +      | +      |      | 50 |    |
| Tooth                                |   |                           |        |        |        |        |        |        |        |        |        | +      |        |        |        |        |        |        |        |        |        |          |        |        |        |      | 2  |    |
| <b>CARDIOVASCULAR SYSTEM</b>         |   |                           |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |          |        |        |        |      |    |    |
| Blood Vessel                         | + | +                         | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +        | +      | +      | +      | +    |    | 50 |
| Heart                                | + | +                         | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +        | +      | +      | +      | +    |    | 50 |
| <b>ENDOCRINE SYSTEM</b>              |   |                           |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |          |        |        |        |      |    |    |
| Adrenal Cortex Leukemia Granulocytic | + | +                         | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +        | +      | +      | +      | +    |    | 50 |
|                                      |   |                           |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |          |        |        |        |      |    | 1  |
| Adrenal Medulla                      | + | +                         | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +        | +      | +      | +      | +    |    | 50 |
| Islets, Pancreatic                   | + | +                         | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +        | +      | +      | +      | +    |    | 50 |
| Parathyroid Gland                    | + | +                         | +      | +      | +      | +      | +      | +      | +      | M      | +      | +      | M      | +      | M      | +      | +      | +      | +      | +      | +      | +        | +      | +      | M      | +    | M  | 42 |
| Pituitary Gland                      | + | +                         | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +        | +      | +      | +      | +    |    | 50 |

\* .. Total animals with tissue examined microscopically; Total animals with tumor  
 + .. Tissue examined microscopically  
 X .. Lesion present  
 I .. Insufficient tissue

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

Experiment Number: 20320 - 04

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: MICE/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Tetrabromobisphenol A

CAS Number: 79-94-7

Date Report Requested: 01/22/2013

Time Report Requested: 10:11:10

First Dose M/F: 08/07/07 / 08/06/07

Lab: BAT

| B6C3F1 MICE MALE<br>1000 mg/kg | DAY ON TEST      |                  | ANIMAL ID        |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  | * TOTALS |                  |                  |
|--------------------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|----------|------------------|------------------|
|                                | 0<br>7<br>3<br>0 | 0<br>4<br>5<br>1 | 0<br>6<br>1<br>3 | 0<br>2<br>3<br>3 | 0<br>2<br>1<br>3 | 0<br>7<br>3<br>1 | 0<br>5<br>4<br>8 | 0<br>7<br>3<br>1 | 0<br>7<br>3<br>2 | 0<br>5<br>9<br>4 | 0<br>7<br>3<br>0 | 0<br>7<br>0<br>4 | 0<br>6<br>1<br>6 | 0<br>6<br>6<br>1 | 0<br>5<br>2<br>8 | 0<br>6<br>6<br>7 | 0<br>1<br>3<br>0 | 0<br>4<br>8<br>4 | 0<br>4<br>2<br>0 | 0<br>4<br>5<br>9 | 0<br>5<br>4<br>7 | 0<br>3<br>4<br>0 |          | 0<br>5<br>2<br>2 | 0<br>7<br>0<br>4 |
| Thyroid Gland                  | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +        | +                | 50               |

GENERAL BODY SYSTEM

NONE

GENITAL SYSTEM

|                 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |
|-----------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|
| Epididymis      | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Preputial Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Prostate        | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Seminal Vesicle | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Testes          | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |

HEMATOPOIETIC SYSTEM

|  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |              |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--------------|
| Bone Marrow  | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50           |
| Lymph Node, Mandibular                             | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | 49           |
| Lymph Node, Mesenteric<br>Leukemia Granulocytic    | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | 49<br>1      |
| Spleen<br>Hemangiosarcoma<br>Leukemia Granulocytic | + | + | + | + | + | + | + | + | + | + | + | X | + | + | + | + | + | + | + | A | + | + | + | 49<br>3<br>1 |

\* .. Total animals with tissue examined microscopically; Total animals with tumor  
+ .. Tissue examined microscopically  
X .. Lesion present  
I .. Insufficient tissue

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

Experiment Number: 20320 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL  
 Tetrabromobisphenol A  
 CAS Number: 79-94-7

Date Report Requested: 01/22/2013  
 Time Report Requested: 10:11:10  
 First Dose M/F: 08/07/07 / 08/06/07  
 Lab: BAT

| B6C3F1 MICE MALE<br>1000 mg/kg              | DAY ON TEST | 0               | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0  | 0  |   |
|---|-------------|-----------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|----|---|
|   | 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 |
|   |             | 7               | 4 | 6 | 2 | 2 | 7 | 5 | 7 | 7 | 5 | 7 | 7 | 6 | 6 | 5 | 6 | 1 | 4 | 4 | 4 | 4 | 5 | 3 | 5 | 7 | 3 | 5 | 7 | 3 | 5 | 7 | 3 | 5 | 7 | 3  | 5  | 7 |
|   |             | 3               | 5 | 1 | 3 | 1 | 3 | 4 | 3 | 3 | 9 | 3 | 0 | 1 | 6 | 2 | 6 | 3 | 8 | 2 | 0 | 5 | 4 | 4 | 2 | 0 | 4 | 2 | 0 | 4 | 2 | 0 | 4 | 2 | 0 | 4  | 2  |   |
|   |             | 0               | 1 | 3 | 3 | 3 | 1 | 8 | 1 | 2 | 4 | 0 | 4 | 6 | 1 | 8 | 7 | 0 | 4 | 4 | 8 | 9 | 7 | 0 | 2 | 4 | 0 | 2 | 0 | 4 | 0 | 2 | 0 | 4 | 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  |   |
|   |             | 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  |   |
|   |             | 7               | 7 | 7 | 7 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9  | 9  |   |
|   |             | 6               | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0  | 1  |   |
|   |             | <b>* TOTALS</b> |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |    |   |
| Thymus                                      |             | +               | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | +  | 48 |   |
| Leukemia Granulocytic                       |             |                 |   |   |   |   |   |   |   |   |   |   | X |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1  |    |   |
| <b>INTEGUMENTARY SYSTEM</b>                 |             |                 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |    |   |
| Mammary Gland                               |             | M               | M | M | M | M | M | M | M | M | M | M | M | M | M | M | M | M | M | M | M | M | M | M | M | M | M | M | M | M | M | M | M | M | M | 0  |    |   |
| Skin  |             | +               | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | +  | 50 |   |
| Fibrous Histiocytoma                        |             |                 |   |   |   |   |   |   |   |   |   |   | X |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1  |    |   |
| Subcutaneous Tissue, Lipoma                 |             |                 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    | 1  |   |
| <b>MUSCULOSKELETAL SYSTEM</b>               |             |                 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |    |   |
| Bone  |             | +               | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |    |   |
| <b>NERVOUS SYSTEM</b>                       |             |                 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |    |   |
| Brain                                       |             | +               | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | +  | 50 |   |
| Peripheral Nerve                            |             |                 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    | 2  |   |
| Spinal Cord                                 |             |                 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    | 2  |   |
| <b>RESPIRATORY SYSTEM</b>                   |             |                 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |    |   |
| Lung  |             | +               | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |    |   |
| Alveolar/Bronchiolar Adenoma                |             |                 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    | 3  |   |
| Alveolar/Bronchiolar Carcinoma              |             |                 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    | 2  |   |
| Hepatocellular Carcinoma, Metastatic, Liver |             |                 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    | 2  |   |
| Nose  |             | +               | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | +  | 50 |   |

\* .. Total animals with tissue examined microscopically; Total animals with tumor  
 + .. Tissue examined microscopically  
 X .. Lesion present  
 I .. Insufficient tissue

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

Experiment Number: 20320 - 04

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: MICE/B6C3F1

### P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Tetrabromobisphenol A

CAS Number: 79-94-7

Date Report Requested: 01/22/2013

Time Report Requested: 10:11:10

First Dose M/F: 08/07/07 / 08/06/07

Lab: BAT

| <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 | <b>* TOTALS</b> |
|------------------------------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------------|
|                              | ANIMAL ID   | 7 | 4 | 6 | 2 | 2 | 7 | 5 | 7 | 7 | 5 | 7 | 7 | 6 | 6 | 5 | 6 | 1 | 4 | 4 | 4 | 4 | 5 | 3 | 5 | 7 | 3 | 5 | 7 | 0 |                 |
| <b>1000 mg/kg</b>            |             | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 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 | 2 |                 |
|                              |             | 7 | 7 | 7 | 7 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 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 | 1 | 2 | 3 | 4 |                 |
| Trachea                      |             | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | <b>50</b>       |
| <b>SPECIAL SENSES SYSTEM</b> |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |                 |
| Eye                          |             | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | <b>50</b>       |
| Harderian Gland              |             | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | <b>50</b>       |
| Adenoma                      |             |   |   |   |   |   |   |   |   |   |   |   | X |   |   | X |   |   |   |   |   |   |   |   |   |   |   |   |   |   | <b>9</b>        |
| <b>URINARY SYSTEM</b>        |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |                 |
| Kidney                       |             | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | <b>48</b>       |
| Hemangiosarcoma              |             |   |   |   |   |   |   |   |   |   |   |   |   | A |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | <b>1</b>        |
| Leukemia Granulocytic        |             |   |   |   |   |   |   |   |   |   |   |   | X |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | <b>1</b>        |
| Renal Tubule, Adenoma        |             |   |   |   |   |   |   |   |   |   |   |   |   | X |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | <b>2</b>        |
| Urinary Bladder              |             | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | <b>50</b>       |
| <b>SYSTEMIC LESIONS</b>      |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |                 |
| Multiple Organ               |             | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | <b>50</b>       |
| Leukemia Granulocytic        |             |   |   |   |   |   |   |   |   |   |   |   |   | X |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | <b>1</b>        |

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

\* .. Total animals with tissue examined microscopically; Total animals with tumor  
+ .. Tissue examined microscopically  
X .. Lesion present  
I .. Insufficient tissue

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

Experiment Number: 20320 - 04  
Test Type: CHRONIC  
Route: GAVAGE  
Species/Strain: MICE/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL  
Tetrabromobisphenol A  
CAS Number: 79-94-7

Date Report Requested: 01/22/2013  
Time Report Requested: 10:11:10  
First Dose M/F: 08/07/07 / 08/06/07  
Lab: BAT

| B6C3F1 MICE FEMALE<br>0 mg/kg | DAY ON TEST      |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | females<br>(cont...)  |                       |                       |
|-------------------------------|------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
|                               | 0<br>5<br>6<br>3 | 0<br>7<br>3<br>0      | 0<br>7<br>3<br>1      | 0<br>7<br>2<br>9      | 0<br>6<br>8<br>0      | 0<br>7<br>3<br>1      | 0<br>6<br>0<br>6      | 0<br>7<br>3<br>1      | 0<br>7<br>3<br>1      | 0<br>7<br>3<br>0      | 0<br>7<br>2<br>9      | 0<br>7<br>3<br>9      | 0<br>7<br>2<br>0      | 0<br>6<br>6<br>0      | 0<br>7<br>3<br>1      | 0<br>7<br>2<br>2      | 0<br>7<br>3<br>1      | 0<br>7<br>2<br>1      | 0<br>7<br>3<br>3      | 0<br>7<br>3<br>3      | 0<br>7<br>3<br>1      | 0<br>7<br>2<br>9      |                       |                       |                       |                       |
| ANIMAL ID                     |                  | 0<br>0<br>2<br>0<br>1 | 0<br>0<br>2<br>0<br>2 | 0<br>0<br>2<br>0<br>3 | 0<br>0<br>2<br>0<br>4 | 0<br>0<br>2<br>0<br>5 | 0<br>0<br>2<br>0<br>6 | 0<br>0<br>2<br>0<br>7 | 0<br>0<br>2<br>0<br>8 | 0<br>0<br>2<br>0<br>9 | 0<br>0<br>2<br>1<br>0 | 0<br>0<br>2<br>1<br>1 | 0<br>0<br>2<br>1<br>2 | 0<br>0<br>2<br>1<br>3 | 0<br>0<br>2<br>1<br>4 | 0<br>0<br>2<br>1<br>5 | 0<br>0<br>2<br>1<br>6 | 0<br>0<br>2<br>1<br>7 | 0<br>0<br>2<br>1<br>8 | 0<br>0<br>2<br>2<br>9 | 0<br>0<br>2<br>2<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                            | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |   |  |
| Gallbladder                          | M | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |   |  |
| Intestine Large, Cecum               | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + |   |  |
| Intestine Large, Colon               | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |  |
| Intestine Large, Rectum              | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |  |
| Intestine Small, Duodenum<br>Adenoma | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + |   |  |
| Intestine Small, Ileum               | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + |  |
| Intestine Small, Jejunum             | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + |  |
| Liver                                | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |  |
| Hepatocellular Adenoma               |   | X |   |   | X |   |   |   |   |   |   |   |   |   |   | X |   |   |   |   |   |   |   |   |   |   |   |   | X |   |  |
| Hepatocellular Adenoma, Multiple     |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | X |   |   |   |   |   |   |   |   |   |   |  |
| Hepatocellular Carcinoma             |   |   |   |   |   |   |   |   | X |   |   |   |   |   |   |   |   |   | X |   |   |   |   |   |   |   |   |   |   |   |  |
| Histiocytic Sarcoma                  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | X |   |   |   |   |   |   |   |   |   |   |   |   |  |
| Lymphoma Malignant                   |   |   |   |   |   |   |   |   |   | X |   |   |   |   |   |   |   |   |   | X |   |   |   |   |   |   |   |   |   |   |  |
| Mesentery                            |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |
| Oral Mucosa                          |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |
| Squamous Cell Carcinoma              |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |

\* .. Total animals with tissue examined microscopically; Total animals with tumor  
+ .. Tissue examined microscopically  
X .. Lesion present  
I .. Insufficient tissue

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



Experiment Number: 20320 - 04

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: MICE/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Tetrabromobisphenol A

CAS Number: 79-94-7

Date Report Requested: 01/22/2013

Time Report Requested: 10:11:10

First Dose M/F: 08/07/07 / 08/06/07

Lab: BAT

| B6C3F1 MICE FEMALE | 0 mg/kg | DAY ON TEST |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | females<br>(cont...) |      |      |      |      |
|--------------------|---------|-------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|----------------------|------|------|------|------|
|                    |         | 0563        | 0730 | 0731 | 0732 | 0738 | 0731 | 0736 | 0737 | 0737 | 0737 | 0737 | 0737 | 0737 | 0737 | 0737 | 0737 | 0737 | 0737 | 0737 | 0737 |                      | 0737 |      |      |      |
| 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 |

|                         |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|-------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Pancreas                | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |   |
| Lymphoma Malignant      |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | X |
| Salivary Glands         | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |   |
| Stomach, Forestomach    | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |   |
| Stomach, Glandular      | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |   |
| Tongue                  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Squamous Cell Papilloma |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Tooth                   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | + |

CARDIOVASCULAR SYSTEM

|              |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|--------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Blood Vessel | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Heart        | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |

ENDOCRINE SYSTEM

|                         |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|-------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Adrenal Cortex          | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |   |
| Adrenal Medulla         | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |   |
| Pheochromocytoma Benign |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | X |
| Islets, Pancreatic      | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |   |
| Lymphoma Malignant      |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Parathyroid Gland       | + | + | M | + | + | + | + | M | + | + | + | M | + | M | + | + | + | + | + | + | + | + | + | + | + | M | + |

\* .. Total animals with tissue examined microscopically; Total animals with tumor  
+ .. Tissue examined microscopically  
X .. Lesion present  
I .. Insufficient tissue

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

Experiment Number: 20320 - 04

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: MICE/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Tetrabromobisphenol A

CAS Number: 79-94-7

Date Report Requested: 01/22/2013

Time Report Requested: 10:11:10

First Dose M/F: 08/07/07 / 08/06/07

Lab: BAT

| B6C3F1 MICE FEMALE | DAY ON TEST |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |     | females<br>(cont...) |
|--------------------|-------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-----|----------------------|
|                    | 0563        | 0773 | 0773 | 0773 | 0683 | 0773 | 0673 | 0773 | 0773 | 0773 | 0773 | 0773 | 0773 | 0673 | 0773 | 0773 | 0773 | 0773 | 0773 | 0773 | 0773 | 0773 | 0773 | 0773 |     |                      |
| 0 mg/kg            | 003         | 003  | 003  | 002  | 008  | 003  | 000  | 003  | 003  | 003  | 002  | 002  | 003  | 003  | 006  | 003  | 002  | 003  | 003  | 002  | 003  | 003  | 003  | 003  | 002 |                      |
|                    | 002         | 002  | 002  | 002  | 002  | 002  | 002  | 002  | 002  | 002  | 002  | 002  | 002  | 002  | 002  | 002  | 002  | 002  | 002  | 002  | 002  | 002  | 002  | 002  | 002 |                      |
|                    | 000         | 000  | 000  | 000  | 000  | 000  | 000  | 000  | 001  | 001  | 001  | 001  | 001  | 001  | 001  | 001  | 001  | 001  | 001  | 002  | 002  | 002  | 002  | 002  |     |                      |
|                    | 001         | 002  | 003  | 004  | 005  | 006  | 007  | 008  | 009  | 000  | 001  | 002  | 003  | 004  | 005  | 006  | 007  | 008  | 009  | 000  | 001  | 002  | 003  | 004  | 005 |                      |

|   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Pituitary Gland<br>Pars Distalis, Adenoma | + | + | + | + | + | X | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Thyroid Gland                             | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |

GENERAL BODY SYSTEM

NONE

GENITAL SYSTEM

|  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Clitoral Gland<br>Lymphoma Malignant                                       | + | + | + | + | + | + | + | + | + | X | + | + | + | + | + | + | + | + | + | + | + | + | + |   |
| Ovary<br>Cystadenoma<br>Lymphoma Malignant                                 | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Oviduct  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Uterus<br>Lymphoma Malignant<br>Sarcoma Stromal<br>Cervix, Sarcoma Stromal | + | + | + | + | + | + | + | + | + | X | + | + | + | + | + | + | + | + | + | + | X | + | + | + |

HEMATOPOIETIC SYSTEM

|             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Bone Marrow | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Lymph Node  |   |   |   |   |   |   |   |   |   | + |   |   |   |   |   |   |   |   |   |   |   |   |   |   |

\* .. Total animals with tissue examined microscopically; Total animals with tumor  
+ .. Tissue examined microscopically  
X .. Lesion present  
I .. Insufficient tissue

M .. Missing tissue  
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Experiment Number: 20320 - 04

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: MICE/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Tetrabromobisphenol A

CAS Number: 79-94-7

Date Report Requested: 01/22/2013

Time Report Requested: 10:11:10

First Dose M/F: 08/07/07 / 08/06/07

Lab: BAT

| B6C3F1 MICE FEMALE<br>0 mg/kg   | DAY ON TEST      |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  | ANIMAL ID | females<br>(cont...) |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |
|---|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|-----------|----------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|
|   | 0<br>5<br>6<br>3 | 0<br>7<br>3<br>0 | 0<br>7<br>3<br>1 | 0<br>7<br>2<br>9 | 0<br>6<br>8<br>0 | 0<br>7<br>3<br>1 | 0<br>6<br>0<br>6 | 0<br>7<br>3<br>1 | 0<br>7<br>3<br>1 | 0<br>7<br>3<br>0 | 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>3 | 0<br>7<br>3<br>6 | 0<br>7<br>2<br>2 | 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>2<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>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>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 |
| Lymph Node, Mandibular<br>Lymphoma Malignant  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |           |                      |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |
| Lymph Node, Mesenteric<br>Lymphoma Malignant  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |           |                      |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |
| Spleen<br>Hemangiosarcoma<br>Lymphoma Malignant   |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |           |                      |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |
| Thymus<br>Lymphoma Malignant  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |           |                      |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |
| <b>INTEGUMENTARY SYSTEM</b>   |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |           |                      |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |
| Mammary Gland<br>Lymphoma Malignant   |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |           |                      |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |
| Skin<br>Basal Cell Carcinoma<br>Fibrosarcoma<br>Hemangioma<br>Subcutaneous Tissue, Hemangiosarcoma<br>Subcutaneous Tissue, Schwannoma Malignant |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |           |                      |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |
| <b>MUSCULOSKELETAL SYSTEM</b>   |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |           |                      |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |
| Bone<br>Fibroma<br>Lymphoma Malignant   |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |           |                      |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |

\* .. Total animals with tissue examined microscopically; Total animals with tumor  
+ .. Tissue examined microscopically  
X .. Lesion present  
I .. Insufficient tissue

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

Experiment Number: 20320 - 04

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: MICE/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Tetrabromobisphenol A

CAS Number: 79-94-7

Date Report Requested: 01/22/2013

Time Report Requested: 10:11:10

First Dose M/F: 08/07/07 / 08/06/07

Lab: BAT

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

females  
(cont...)

**NERVOUS SYSTEM**

Brain

+ +

**RESPIRATORY SYSTEM**

Lung

+ +

- Alveolar/Bronchiolar Adenoma
- Alveolar/Bronchiolar Carcinoma
- Lymphoma Malignant

X X

Nose

+ +

Trachea

+ +

**SPECIAL SENSES SYSTEM**

Eye

+ +

- Harderian Gland Adenoma
- Harderian Gland Carcinoma

+ + + + + + + + + + + + + + + + + X X + + + + + + + + + +

**URINARY SYSTEM**

Kidney

+ +

- Lymphoma Malignant

X X

Urinary Bladder

+ +

- Lymphoma Malignant

X X

\* .. Total animals with tissue examined microscopically; Total animals with tumor  
 + .. Tissue examined microscopically  
 X .. Lesion present  
 I .. Insufficient tissue

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Experiment Number: 20320 - 04

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Tetrabromobisphenol A

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Lab: BAT

|                           |                |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |                              |
|---------------------------|----------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------------------------------|
| <b>B6C3F1 MICE FEMALE</b> | DAY ON TEST    | 0563 | 0733 | 0732 | 0778 | 0763 | 0760 | 0771 | 0771 | 0773 | 0773 | 0773 | 0773 | 0773 | 0773 | 0773 | 0773 | 0773 | 0773 | 0773 | 0773 | 0773 | 0773 | 0773 | <b>females<br/>(cont...)</b> |
|                           | <b>0 mg/kg</b> | 0633 | 0733 | 0732 | 0778 | 0763 | 0760 | 0771 | 0771 | 0773 | 0773 | 0773 | 0773 | 0773 | 0773 | 0773 | 0773 | 0773 | 0773 | 0773 | 0773 | 0773 | 0773 | 0773 |                              |
|                           | ANIMAL ID      | 0020 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 |                              |

**SYSTEMIC LESIONS**

|                     |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|---------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Multiple Organ      | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Histiocytic Sarcoma |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | X |   |   |   |   |   |
| Lymphoma Malignant  |   |   |   |   |   |   |   |   |   | X |   |   |   |   |   |   |   |   |   | X | X | X |   |   |

\* .. Total animals with tissue examined microscopically; Total animals with tumor  
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**P04: NEOPLASMS BY INDIVIDUAL ANIMAL**

Tetrabromobisphenol A

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First Dose M/F: 08/07/07 / 08/06/07

Lab: BAT

|                           |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |                 |    |
|---------------------------|-------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-----------------|----|
| <b>B6C3F1 MICE FEMALE</b> | DAY ON TEST | 0729 | 0729 | 0730 | 0732 | 0733 | 0739 | 0739 | 0748 | 0776 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0666 | <b>* TOTALS</b> |    |
|                           |             | 29   | 29   | 30   | 22   | 33   | 29   | 29   | 88   | 00   | 14   | 00   | 09   | 00   | 01   | 00   | 00   | 00   | 00   | 00   | 00   | 00   | 00   |                 | 26 |
|                           |             | 22   | 22   | 22   | 22   | 22   | 22   | 22   | 22   | 22   | 22   | 22   | 22   | 22   | 22   | 22   | 22   | 22   | 22   | 22   | 22   | 22   | 22   |                 | 22 |
| <b>0 mg/kg</b>            | ANIMAL ID   | 0022 | 0022 | 0022 | 0022 | 0022 | 0022 | 0022 | 0022 | 0022 | 0022 | 0022 | 0022 | 0022 | 0022 | 0022 | 0022 | 0022 | 0022 | 0022 | 0022 | 0022 | 0022 |                 |    |

**ALIMENTARY SYSTEM**

|                                  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |           |
|----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------|
| Esophagus                        | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | <b>50</b> |
| Gallbladder                      | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | <b>47</b> |
| Intestine Large, Cecum           | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | <b>48</b> |
| Intestine Large, Colon           | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | <b>50</b> |
| Intestine Large, Rectum          | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | <b>50</b> |
| Intestine Small, Duodenum        | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | <b>47</b> |
| Adenoma                          |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | X | <b>1</b>  |
| Intestine Small, Ileum           | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | <b>48</b> |
| Intestine Small, Jejunum         | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | <b>48</b> |
| Liver                            | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | <b>50</b> |
| Hepatocellular Adenoma           |   | X |   |   | X | X | X |   |   |   | X |   |   |   |   | X |   |   | X |   |   |   | X | <b>12</b> |
| Hepatocellular Adenoma, Multiple |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | <b>1</b>  |
| Hepatocellular Carcinoma         |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | <b>2</b>  |
| Histiocytic Sarcoma              |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | <b>1</b>  |
| Lymphoma Malignant               |   |   |   |   | X |   | X |   |   |   |   |   |   | X |   |   |   |   |   |   |   |   |   | <b>5</b>  |
| Mesentery                        |   |   |   |   |   |   |   |   | + |   |   |   | + |   |   |   |   |   |   |   |   | + |   | <b>3</b>  |
| Oral Mucosa                      |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | + | <b>1</b>  |
| Squamous Cell Carcinoma          |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | X | <b>1</b>  |

\* .. Total animals with tissue examined microscopically; Total animals with tumor  
 + .. Tissue examined microscopically  
 X .. Lesion present  
 I .. Insufficient tissue

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

Experiment Number: 20320 - 04

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: MICE/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Tetrabromobisphenol A

CAS Number: 79-94-7

Date Report Requested: 01/22/2013

Time Report Requested: 10:11:10

First Dose M/F: 08/07/07 / 08/06/07

Lab: BAT

| B6C3F1 MICE FEMALE<br>0 mg/kg | DAY ON TEST |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        | * TOTALS |  |  |
|-------------------------------|-------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|----------|--|--|
|                               | 0729        | 0729   | 0730   | 0732   | 0733   | 0739   | 0742   | 0743   | 0744   | 0745   | 0746   | 0747   | 0748   | 0749   | 0750   | 0751   | 0752   | 0753   | 0754   | 0755   | 0756   | 0757   | 0758   | 0759   |          |  |  |
| ANIMAL ID                     | 002266      | 002267 | 002268 | 002269 | 002270 | 002271 | 002272 | 002273 | 002274 | 002275 | 002276 | 002277 | 002278 | 002279 | 002280 | 002281 | 002282 | 002283 | 002284 | 002285 | 002286 | 002287 | 002288 | 002289 | 002290   |  |  |
| Pancreas                      | +           | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | 50       |  |  |
| Lymphoma Malignant            |             |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        | 1        |  |  |
| Salivary Glands               | +           | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | 50       |  |  |
| Stomach, Forestomach          | +           | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | 50       |  |  |
| Stomach, Glandular            | +           | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | 50       |  |  |
| Tongue                        |             |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        | 1        |  |  |
| Squamous Cell Papilloma       |             |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        | 1        |  |  |
| Tooth                         |             |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        | 1        |  |  |
| <b>CARDIOVASCULAR SYSTEM</b>  |             |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |          |  |  |
| Blood Vessel                  | +           | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | 50       |  |  |
| Heart                         | +           | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | 50       |  |  |
| <b>ENDOCRINE SYSTEM</b>       |             |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |          |  |  |
| Adrenal Cortex                | +           | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | 50       |  |  |
| Adrenal Medulla               | +           | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | 50       |  |  |
| Pheochromocytoma Benign       |             |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        | 1        |  |  |
| Islets, Pancreatic            | +           | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | 50       |  |  |
| Lymphoma Malignant            |             |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        | 1        |  |  |
| Parathyroid Gland             | M           | +      | +      | +      | +      | M      | M      | M      | +      | +      | +      | M      | +      | M      | +      | M      | +      | M      | +      | M      | M      | +      | M      | +      | 34       |  |  |

\* .. Total animals with tissue examined microscopically; Total animals with tumor  
 + .. Tissue examined microscopically  
 X .. Lesion present  
 I .. Insufficient tissue

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

Experiment Number: 20320 - 04

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: MICE/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Tetrabromobisphenol A

CAS Number: 79-94-7

Date Report Requested: 01/22/2013

Time Report Requested: 10:11:10

First Dose M/F: 08/07/07 / 08/06/07

Lab: BAT

| B6C3F1 MICE FEMALE<br>0 mg/kg  | DAY ON TEST |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        | * TOTALS          |      |
|--|-------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------------------|------|
|  | 0729        | 0729   | 0730   | 0732   | 0733   | 0739   | 0742   | 0743   | 0744   | 0745   | 0746   | 0747   | 0748   | 0749   | 0750   | 0751   | 0752   | 0753   | 0754   | 0755   | 0756   | 0757   | 0758   | 0759   |                   | 0760 |
| ANIMAL ID  | 002266      | 002267 | 002268 | 002269 | 002270 | 002271 | 002272 | 002273 | 002274 | 002275 | 002276 | 002277 | 002278 | 002279 | 002280 | 002281 | 002282 | 002283 | 002284 | 002285 | 002286 | 002287 | 002288 | 002289 | 002290            |      |
| Pituitary Gland<br>Pars Distalis, Adenoma                                  | +           | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | 50<br>1           |      |
| Thyroid Gland  | +           | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | 50                |      |
| <b>GENERAL BODY SYSTEM</b>   |             |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |                   |      |
| NONE   |             |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |                   |      |
| <b>GENITAL SYSTEM</b>  |             |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |                   |      |
| Clitoral Gland<br>Lymphoma Malignant                                       | +           | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | 50<br>1           |      |
| Ovary<br>Cystadenoma<br>Lymphoma Malignant                                 | +           | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | 50<br>2<br>2      |      |
| Oviduct  |             |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        | 1                 |      |
| Uterus<br>Lymphoma Malignant<br>Sarcoma Stromal<br>Cervix, Sarcoma Stromal | +           | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | 50<br>2<br>1<br>1 |      |
| <b>HEMATOPOIETIC SYSTEM</b>  |             |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |                   |      |
| Bone Marrow  | +           | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | 50                |      |
| Lymph Node   |             |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        | 1                 |      |

\* .. Total animals with tissue examined microscopically; Total animals with tumor  
+ .. Tissue examined microscopically  
X .. Lesion present  
I .. Insufficient tissue

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



Experiment Number: 20320 - 04

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: MICE/B6C3F1

**P04: NEOPLASMS BY INDIVIDUAL ANIMAL**

Tetrabromobisphenol A

CAS Number: 79-94-7

Date Report Requested: 01/22/2013

Time Report Requested: 10:11:10

First Dose M/F: 08/07/07 / 08/06/07

Lab: BAT

| 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 | 0 | * TOTALS |
|-------------------------------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----------|
|                               | ANIMAL ID   | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 4 | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 6 |          |
|                               |             | 2 | 2 | 3 | 2 | 3 | 2 | 2 | 3 | 3 | 3 | 2 | 3 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 0 | 3 | 2 | 2 | 6        |
|                               |             | 9 | 9 | 0 | 9 | 0 | 9 | 9 | 8 | 0 | 1 | 4 | 0 | 9 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 9 | 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        |
|                               |             | 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 | 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        |

|   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |              |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--------------|
| Lymph Node, Mandibular<br>Lymphoma Malignant    | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50<br>2      |
| Lymph Node, Mesenteric<br>Lymphoma Malignant    | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50<br>6      |
| Spleen<br>Hemangiosarcoma<br>Lymphoma Malignant | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50<br>1<br>9 |
| Thymus<br>Lymphoma Malignant                    | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50<br>5      |

**INTEGUMENTARY SYSTEM**

|   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |                             |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------------------------|
| Mammary Gland<br>Lymphoma Malignant   | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50<br>1                     |
| Skin<br>Basal Cell Carcinoma<br>Fibrosarcoma<br>Hemangioma<br>Subcutaneous Tissue, Hemangiosarcoma<br>Subcutaneous Tissue, Schwannoma Malignant | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50<br>1<br>1<br>1<br>1<br>1 |

**MUSCULOSKELETAL SYSTEM**

|                                       |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |              |
|---------------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--------------|
| Bone<br>Fibroma<br>Lymphoma Malignant | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50<br>1<br>1 |
|---------------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--------------|

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 + .. Tissue examined microscopically  
 X .. Lesion present  
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Experiment Number: 20320 - 04

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: MICE/B6C3F1

**P04: NEOPLASMS BY INDIVIDUAL ANIMAL**

Tetrabromobisphenol A

CAS Number: 79-94-7

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Lab: BAT

|                           |                |             |        |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |  |  |
|---------------------------|----------------|-------------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--|--|
| <b>B6C3F1 MICE FEMALE</b> | <b>0 mg/kg</b> | DAY ON TEST | 079    | 079   | 070   | 079   | 070   | 079   | 079   | 078   | 071   | 072   | 073   | 074   | 075   | 076   | 077   | 078   | 079   | 070   | 079   | 070   | 079   | 079   | 078   | 071   | 072   | 073   | 074   | 075   | 076   | 077   | 078   | 079   | 070   |       |  |  |
|                           |                | ANIMAL ID   | 002226 | 00078 | 00090 | 00099 | 00099 | 00001 | 00002 | 00003 | 00003 | 00003 | 00003 | 00003 | 00003 | 00003 | 00004 | 00004 | 00004 | 00004 | 00004 | 00004 | 00004 | 00004 | 00004 | 00004 | 00004 | 00004 | 00004 | 00004 | 00005 | 00006 | 00007 | 00008 | 00009 | 00000 |  |  |
|                           |                |             |        |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |  |  |

**SYSTEMIC LESIONS**

|                     |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |
|---------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|
| Multiple Organ      | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Histiocytic Sarcoma |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1  |
| Lymphoma Malignant  |   | X | X |   | X |   | X |   |   |   |   |   |   |   |   | X |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 9 |    |

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X .. Lesion present  
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Lab: BAT

|                           |                  |                  |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |
|---------------------------|------------------|------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| <b>B6C3F1 MICE FEMALE</b> | DAY ON TEST      | 0<br>5<br>6<br>1 | 0<br>7<br>3<br>0      | 0<br>7<br>0<br>2      | 0<br>7<br>1<br>8      | 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>3      | 0<br>7<br>3<br>3      | 0<br>7<br>2<br>2      | 0<br>7<br>2<br>2      | 0<br>7<br>2<br>2      | 0<br>7<br>1<br>1      | 0<br>6<br>4<br>5      | 0<br>7<br>2<br>2      | 0<br>7<br>2<br>9      | 0<br>7<br>3<br>0      | 0<br>5<br>3<br>9      | 0<br>7<br>3<br>3      | 0<br>7<br>2<br>2      | 0<br>6<br>9<br>4      | 0<br>7<br>3<br>3      | 0<br>7<br>3<br>3      | 0<br>7<br>1<br>1      |                       |                       |
|                           | <b>250 mg/kg</b> | 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>5 | 0<br>0<br>2<br>5<br>5 | 0<br>0<br>2<br>5<br>5 | 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>6 | 0<br>0<br>2<br>5<br>6 | 0<br>0<br>2<br>5<br>6 | 0<br>0<br>2<br>5<br>6 | 0<br>0<br>2<br>5<br>6 | 0<br>0<br>2<br>5<br>6 | 0<br>0<br>2<br>5<br>6 | 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>7 | 0<br>0<br>2<br>5<br>7 | 0<br>0<br>2<br>5<br>7 | 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 |

females  
(cont...)

**ALIMENTARY SYSTEM**

|   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Esophagus   | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Gallbladder<br>Lymphoma Malignant                             | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | X | + | + | + |
| Intestine Large, Cecum<br>Leiomyoma                           | A | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Large, Colon  | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Large, Rectum                                       | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Small, Duodenum<br>Carcinoma                        | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Small, Ileum<br>Peyer's Patch, Lymphoma Malignant   | A | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Small, Jejunum<br>Peyer's Patch, Lymphoma Malignant | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + |
| Liver   | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Hemangiosarcoma   |   | X |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Hepatocellular Adenoma  |   | X | X | X |   | X |   |   |   | X |   |   |   |   |   |   |   |   |   |   |   | X |   |   |   |
| Hepatocellular Adenoma, Multiple                              |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | X |   |   |   |   |   | X |   |   |
| Hepatocellular Carcinoma                                      |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | X |   |
| Hepatocellular Carcinoma, Multiple                            |   |   |   | X |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Histiocytic Sarcoma   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | X |   |   |   |
| Leukemia Mononuclear  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |

\* .. Total animals with tissue examined microscopically; Total animals with tumor  
 + .. Tissue examined microscopically  
 X .. Lesion present  
 I .. Insufficient tissue

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

**Experiment Number:** 20320 - 04  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** MICE/B6C3F1

**P04: NEOPLASMS BY INDIVIDUAL ANIMAL**  
Tetrabromobisphenol A  
**CAS Number:** 79-94-7

**Date Report Requested:** 01/22/2013  
**Time Report Requested:** 10:11:10  
**First Dose M/F:** 08/07/07 / 08/06/07  
**Lab:** BAT

| B6C3F1 MICE FEMALE<br>250 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 | females<br>(cont...) |
|---------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----------------------|
|                                 | ANIMAL ID   | 5 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 6 | 7 | 7 | 7 | 5 | 7 | 7 | 7 | 6 | 7 | 7 | 7 |                      |
|                                 |   | 6 | 3 | 0 | 1 | 2 | 2 | 3 | 3 | 3 | 2 | 2 | 1 | 4 | 2 | 2 | 3 | 9 | 3 | 3 | 2 | 9 | 3 | 3 |                      |
|                                 |   | 1 | 0 | 2 | 8 | 9 | 9 | 0 | 3 | 1 | 9 | 9 | 5 | 2 | 2 | 9 | 0 | 6 | 1 | 0 | 3 | 4 | 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 |                      |
|                                 |   | 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 | 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 |   |                      |
|                                 | Lymphoma Malignant  |   |   |   |   |   |   | X |   |   |   |   |   |   |   |   |   |   |   | X |   | X |   |   |                      |
|                                 | Squamous Cell Carcinoma, Metastatic, Stomach, Forestomach |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |                      |
|                                 | Mesentery   |   |   |   |   |   | + |   | + |   |   |   |   |   |   | + |   |   |   |   |   |   |   |   |                      |
|                                 | Leukemia Mononuclear                                      |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |                      |
|                                 | Pancreas  | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + |   |                      |
|                                 | Leukemia Mononuclear                                      |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |                      |
|                                 | Lymphoma Malignant  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | X |   |   |   |                      |
|                                 | Salivary Glands   | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |   |                      |
|                                 | Lymphoma Malignant  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | X |   | X |   |                      |
|                                 | Stomach, Forestomach                                      | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |   |                      |
|                                 | Lymphoma Malignant  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | X |   |                      |
|                                 | Squamous Cell Carcinoma                                   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |                      |
|                                 | Squamous Cell Carcinoma, Multiple                         |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |                      |
|                                 | Stomach, Glandular  | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |   |                      |
|                                 | Lymphoma Malignant  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | X |   |   |                      |
|                                 | Tooth   |   |   |   |   |   |   |   |   |   | + |   |   |   |   |   |   |   |   |   |   |   |   |   |                      |

### CARDIOVASCULAR SYSTEM

|                      |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |
|----------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|
| Blood Vessel         | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |  |
| Leukemia Mononuclear |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |
| Heart                | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |  |
| Leukemia Mononuclear |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |

\* .. Total animals with tissue examined microscopically; Total animals with tumor  
+ .. Tissue examined microscopically  
X .. Lesion present  
I .. Insufficient tissue

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

Experiment Number: 20320 - 04

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: MICE/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Tetrabromobisphenol A

CAS Number: 79-94-7

Date Report Requested: 01/22/2013

Time Report Requested: 10:11:10

First Dose M/F: 08/07/07 / 08/06/07

Lab: BAT

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

Lymphoma Malignant

X

ENDOCRINE SYSTEM

Adrenal Cortex  
Lymphoma Malignant

+  
X

Adrenal Medulla

+ +

Islets, Pancreatic

+ + + + + + + + + + + + + M + + + + + + + + + + +

Parathyroid Gland

M M + + + + + + + + + M + + + M + + + + + M + + + + +

Pituitary Gland

+ +

Thyroid Gland

+ +

GENERAL BODY SYSTEM

Peritoneum

GENITAL SYSTEM

Clitoral Gland  
Leukemia Mononuclear

+ +

Ovary  
Leukemia Mononuclear  
Luteoma  
Lymphoma Malignant

+  
X  
X

Uterus

+ +

\* .. Total animals with tissue examined microscopically; Total animals with tumor  
+ .. Tissue examined microscopically  
X .. Lesion present  
I .. Insufficient tissue

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

Experiment Number: 20320 - 04

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: MICE/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Tetrabromobisphenol A

CAS Number: 79-94-7

Date Report Requested: 01/22/2013

Time Report Requested: 10:11:10

First Dose M/F: 08/07/07 / 08/06/07

Lab: BAT

|                           |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|---------------------------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| <b>B6C3F1 MICE FEMALE</b> | DAY ON TEST | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|                           |             | 5 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 5 | 7 | 7 | 7 |
| <b>250 mg/kg</b>          | ANIMAL ID   | 6 | 3 | 0 | 1 | 2 | 2 | 3 | 3 | 3 | 2 | 2 | 2 | 1 | 4 | 2 | 2 | 3 | 9 | 3 | 3 | 2 | 9 | 3 |
|                           |             | 1 | 0 | 2 | 8 | 9 | 9 | 0 | 0 | 1 | 9 | 9 | 0 | 0 | 5 | 2 | 9 | 0 | 6 | 1 | 0 | 3 | 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 |
|                           |             | 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 |
|                           |             | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 |
|                           |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |

females  
(cont...)

Histiocytic Sarcoma X  
 Leukemia Mononuclear  
 Lymphoma Malignant X  
 Polyp Stromal

Vagina +

HEMATOPOIETIC SYSTEM

|   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Bone Marrow   | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Lymphoma Malignant                                  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | X |   |
| Lymph Node  |   |   |   |   |   |   |   |   |   | + |   |   |   |   |   |   |   |   |   |   |   |   | + |
| Bronchial, Leukemia Mononuclear                     |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Iliac, Leukemia Mononuclear                         |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Inguinal, Leukemia Mononuclear                      |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Lumbar, Lymphoma Malignant                          |   |   |   |   |   |   |   |   |   | X |   |   |   |   |   |   |   |   |   |   |   | X |   |
| Mediastinal, Leukemia Mononuclear                   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Pancreatic, Histiocytic Sarcoma, Metastatic, Spleen |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Pancreatic, Lymphoma Malignant                      |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | X |
| Renal, Lymphoma Malignant                           |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | X |
| Lymph Node, Mandibular                              | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Lymphoma Malignant                                  |   |   |   |   |   |   |   |   |   | X |   |   |   |   |   |   |   |   |   |   |   | X | X |
| Lymph Node, Mesenteric                              | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Leukemia Mononuclear                                |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Lymphoma Malignant                                  |   |   |   |   |   |   |   |   |   | X |   |   |   |   |   |   |   |   |   |   |   | X | X |
| Spleen  | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |

\* .. Total animals with tissue examined microscopically; Total animals with tumor  
 + .. Tissue examined microscopically  
 X .. Lesion present  
 I .. Insufficient tissue

M .. Missing tissue  
 A .. Autolysis precludes evaluation  
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Experiment Number: 20320 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL  
 Tetrabromobisphenol A  
 CAS Number: 79-94-7

Date Report Requested: 01/22/2013  
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 First Dose M/F: 08/07/07 / 08/06/07  
 Lab: BAT

|                    |           | DAY ON TEST |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | females<br>(cont...) |   |
|--------------------|-----------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----------------------|---|
| B6C3F1 MICE FEMALE |           | 0           | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |                      | 0 |
| 250 mg/kg          | ANIMAL ID | 5           | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 6 | 7 | 7 | 7 | 5 | 7 | 7 | 7 | 6 | 7                    | 7 |
|                    |           | 6           | 3 | 0 | 1 | 2 | 2 | 3 | 3 | 3 | 2 | 2 | 1 | 4 | 2 | 2 | 3 | 9 | 3 | 3 | 2 | 9                    | 3 |
|                    |           | 1           | 0 | 2 | 8 | 9 | 9 | 0 | 0 | 1 | 9 | 9 | 5 | 2 | 2 | 9 | 0 | 6 | 1 | 0 | 3 | 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 |
|                    |           | 2           | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2                    | 2 |
|                    |           | 5           | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 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 |

Histiocytic Sarcoma  
 Leukemia Mononuclear  
 Lymphoma Malignant

X

X

X

Thymus  
 Leukemia Mononuclear  
 Lymphoma Malignant

+ +

X

X

**INTEGUMENTARY SYSTEM**

Mammary Gland  
 Leukemia Mononuclear  
 Lymphoma Malignant

+ +

X

Skin  
 Fibrous Histiocytoma

+ + + + + + + + + + + + + + X + + + + + + + + + + + +

X

**MUSCULOSKELETAL SYSTEM**

Bone  
 Osteosarcoma

+ +

**NERVOUS SYSTEM**

Brain  
 Leukemia Mononuclear

+ +

**RESPIRATORY SYSTEM**

Lung  
 Alveolar/Bronchiolar Adenoma

+ + + + + + + X + + + + + + + + + + + + + + + + +

X

X

\* .. Total animals with tissue examined microscopically; Total animals with tumor  
 + .. Tissue examined microscopically  
 X .. Lesion present  
 I .. Insufficient tissue

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



Experiment Number: 20320 - 04  
Test Type: CHRONIC  
Route: GAVAGE  
Species/Strain: MICE/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL  
Tetrabromobisphenol A  
CAS Number: 79-94-7

Date Report Requested: 01/22/2013  
Time Report Requested: 10:11:10  
First Dose M/F: 08/07/07 / 08/06/07  
Lab: BAT

| B6C3F1 MICE FEMALE<br>250 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   | 5 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 5 | 7 | 7 | 7 | 6 | 7 | 7 |
|                                 |             | 6 | 3 | 0 | 1 | 2 | 2 | 3 | 3 | 3 | 2 | 2 | 4 | 2 | 2 | 3 | 9 | 3 | 3 | 3 | 9 | 9 | 3 | 3 |
|                                 |             | 1 | 0 | 2 | 8 | 9 | 9 | 0 | 0 | 1 | 9 | 0 | 5 | 2 | 9 | 0 | 6 | 1 | 0 | 3 | 4 | 0 | 1 | 1 |
|                                 |             | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|                                 |             | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|                                 |             | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
|                                 |             | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 7 |   |
|                                 |             | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 |   |

females (cont...)

Leukemia Mononuclear  
Lymphoma Malignant

X X

Nose

+ +

Trachea

+ +

### SPECIAL SENSES SYSTEM

Eye  
Leukemia Mononuclear

+ +

Harderian Gland  
Adenoma  
Carcinoma  
Lymphoma Malignant

+ + + + + + + + + + + + + + + + X + + + + + X X

### URINARY SYSTEM

Kidney  
Leukemia Mononuclear  
Lymphoma Malignant

+ X X

Urinary Bladder  
Leukemia Mononuclear  
Lymphoma Malignant

+ X

### SYSTEMIC LESIONS

Multiple Organ  
Histiocytic Sarcoma

+ X

\* .. Total animals with tissue examined microscopically; Total animals with tumor  
+ .. Tissue examined microscopically  
X .. Lesion present  
I .. Insufficient tissue

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

Experiment Number: 20320 - 04

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: MICE/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Tetrabromobisphenol A

CAS Number: 79-94-7

Date Report Requested: 01/22/2013

Time Report Requested: 10:11:10

First Dose M/F: 08/07/07 / 08/06/07

Lab: BAT

| B6C3F1 MICE FEMALE | DAY ON TEST |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | females<br>(cont...) |
|--------------------|-------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|----------------------|
|                    |             | 0561 | 0730 | 0701 | 0718 | 0729 | 0779 | 0770 | 0773 | 0773 | 0773 | 0773 | 0773 | 0773 | 0773 | 0773 | 0773 | 0773 | 0773 | 0773 | 0773 | 0773 | 0773 | 0773 | 0773 |                      |
| 250 mg/kg          | ANIMAL ID   | 0025 | 0022 | 0022 | 0022 | 0022 | 0022 | 0022 | 0022 | 0022 | 0022 | 0022 | 0022 | 0022 | 0022 | 0022 | 0022 | 0022 | 0022 | 0022 | 0022 | 0022 | 0022 | 0022 | 0022 |                      |

Leukemia Mononuclear  
Lymphoma Malignant

X

X

X

\* .. Total animals with tissue examined microscopically; Total animals with tumor  
 + .. Tissue examined microscopically  
 X .. Lesion present  
 I .. Insufficient tissue

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

Experiment Number: 20320 - 04

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: MICE/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Tetrabromobisphenol A

CAS Number: 79-94-7

Date Report Requested: 01/22/2013

Time Report Requested: 10:11:10

First Dose M/F: 08/07/07 / 08/06/07

Lab: BAT

| B6C3F1 MICE FEMALE | DAY ON TEST |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | * TOTALS |
|--------------------|-------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|----------|
|                    | 0730        | 0731 | 0732 | 0733 | 0734 | 0735 | 0736 | 0737 | 0738 | 0739 | 0740 | 0741 | 0742 | 0743 | 0744 | 0745 | 0746 | 0747 | 0748 | 0749 | 0750 | 0751 | 0752 |      |          |
| 250 mg/kg          | 0076        | 0077 | 0078 | 0079 | 0080 | 0081 | 0082 | 0083 | 0084 | 0085 | 0086 | 0087 | 0088 | 0089 | 0090 | 0091 | 0092 | 0093 | 0094 | 0095 | 0096 | 0097 | 0098 | 0099 |          |

ALIMENTARY SYSTEM

|  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |         |         |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---------|---------|
| Esophagus  | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | +       | 50      |
| Gallbladder Lymphoma Malignant                             | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | 49<br>1 |         |
| Intestine Large, Cecum Leiomyoma                           | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | +       | 46<br>1 |
| Intestine Large, Colon                                     | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | +       | 48      |
| Intestine Large, Rectum                                    | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | +       | 50      |
| Intestine Small, Duodenum Carcinoma                        | + | + | + | + | + | + | A | + | + | + | A | + | + | + | + | + | + | + | + | + | + | A | + | +       | 46<br>1 |
| Intestine Small, Ileum Peyer's Patch, Lymphoma Malignant   | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | +       | 46<br>1 |
| Intestine Small, Jejunum Peyer's Patch, Lymphoma Malignant | + | + | + | + | + | + | A | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | +       | 47<br>1 |
| Liver Hemangiosarcoma                                      | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | +       | 50<br>1 |
| Hepatocellular Adenoma                                     |   |   |   | X |   |   |   |   |   |   | X |   |   |   |   |   |   |   |   |   | X |   |   | 9       |         |
| Hepatocellular Adenoma, Multiple                           |   |   |   |   |   |   |   |   |   | X |   |   |   |   |   |   |   |   |   |   |   | X |   | 4       |         |
| Hepatocellular Carcinoma                                   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | X |   | X | 3       |         |
| Hepatocellular Carcinoma, Multiple                         |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1       |         |
| Histiocytic Sarcoma  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1       |         |
| Leukemia Mononuclear                                       |   |   |   |   |   |   |   |   |   |   |   |   |   |   | X |   |   |   |   |   |   |   |   | 1       |         |

\* .. Total animals with tissue examined microscopically; Total animals with tumor

+ .. Tissue examined microscopically

X .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

Experiment Number: 20320 - 04

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: MICE/B6C3F1

## P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Tetrabromobisphenol A

CAS Number: 79-94-7

Date Report Requested: 01/22/2013

Time Report Requested: 10:11:10

First Dose M/F: 08/07/07 / 08/06/07

Lab: BAT

| B6C3F1 MICE FEMALE  | DAY ON TEST           |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | * TOTALS              |                       |                       |                       |                 |    |
|---|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------|----|
|   | 0<br>7<br>3<br>0      | 0<br>7<br>2<br>9      | 0<br>7<br>1<br>1      | 0<br>6<br>1<br>9      | 0<br>7<br>2<br>9      | 0<br>6<br>3<br>1      | 0<br>6<br>8<br>3      | 0<br>7<br>2<br>9      | 0<br>7<br>3<br>0      | 0<br>7<br>2<br>0      | 0<br>7<br>3<br>1      | 0<br>7<br>2<br>1      | 0<br>6<br>6<br>9      | 0<br>6<br>7<br>3      | 0<br>7<br>3<br>0      | 0<br>7<br>2<br>9      | 0<br>7<br>3<br>0      | 0<br>5<br>2<br>6      | 0<br>7<br>2<br>9      | 0<br>7<br>2<br>1      | 0<br>7<br>3<br>0      | 0<br>5<br>2<br>6      |                       |                       |                       |                       |                       |                 |    |
| <b>250 mg/kg</b>  | 0<br>0<br>2<br>7<br>6 | 0<br>0<br>2<br>7<br>7 | 0<br>0<br>2<br>7<br>8 | 0<br>0<br>2<br>7<br>9 | 0<br>0<br>2<br>8<br>0 | 0<br>0<br>2<br>8<br>1 | 0<br>0<br>2<br>8<br>2 | 0<br>0<br>2<br>8<br>3 | 0<br>0<br>2<br>8<br>4 | 0<br>0<br>2<br>8<br>5 | 0<br>0<br>2<br>8<br>6 | 0<br>0<br>2<br>8<br>7 | 0<br>0<br>2<br>8<br>8 | 0<br>0<br>2<br>8<br>8 | 0<br>0<br>2<br>8<br>8 | 0<br>0<br>2<br>8<br>9 | 0<br>0<br>2<br>9<br>0 | 0<br>0<br>2<br>9<br>1 | 0<br>0<br>2<br>9<br>2 | 0<br>0<br>2<br>9<br>3 | 0<br>0<br>2<br>9<br>4 | 0<br>0<br>2<br>9<br>5 | 0<br>0<br>2<br>9<br>6 | 0<br>0<br>2<br>9<br>7 | 0<br>0<br>2<br>9<br>8 | 0<br>0<br>2<br>9<br>9 | 0<br>0<br>3<br>0<br>0 | <b>* TOTALS</b> |    |
| Lymphoma Malignant  |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                 | 3  |
| Squamous Cell Carcinoma, Metastatic, Stomach, Forestomach   |                       |                       |                       |                       |                       |                       | X                     |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                 | 1  |
| Mesentery Leukemia Mononuclear  |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | +                     | +                     | +                     |                       |                       |                       |                       |                       |                       |                       | +                     |                 | 8  |
| Pancreas Leukemia Mononuclear   |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                 | 1  |
| Pancreas Lymphoma Malignant   |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     |                 | 1  |
| Salivary Glands Lymphoma Malignant  |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                 | 48 |
| Stomach, Forestomach Lymphoma Malignant   |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                 | 50 |
| Stomach, Forestomach Squamous Cell Carcinoma  |                       |                       |                       |                       |                       |                       | X                     |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | 1               |    |
| Stomach, Forestomach Squamous Cell Carcinoma, Multiple  |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | X                     |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | 1               |    |
| Stomach, Glandular Lymphoma Malignant   |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | 50              |    |
| Tooth   |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | 1               |    |
| <b>CARDIOVASCULAR SYSTEM</b>  |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                 |    |
| Blood Vessel Leukemia Mononuclear   |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                 | 50 |
| Heart Leukemia Mononuclear  |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                 | 50 |
| * .. Total animals with tissue examined microscopically; Total animals with tumor<br>+ .. Tissue examined microscopically<br>X .. Lesion present<br>I .. Insufficient tissue<br>M .. Missing tissue<br>A .. Autolysis precludes evaluation<br>BLANK .. Not examined microscopically |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                 |    |

Experiment Number: 20320 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL  
 Tetrabromobisphenol A  
 CAS Number: 79-94-7

Date Report Requested: 01/22/2013  
 Time Report Requested: 10:11:10  
 First Dose M/F: 08/07/07 / 08/06/07  
 Lab: BAT

| B6C3F1 MICE FEMALE         |  | DAY ON TEST | 0730 | 0721 | 0711 | 0672 | 0663 | 0668 | 0672 | 0677 | 0677 | 0677 | 0677 | 0677 | 0666 | 0666 | 0677 | 0677 | 0677 | 0677 | 0652 | 0672 | 0677 | 0677 | 0655 | 0675 | 0677 | 0656 | * TOTALS |
|----------------------------|--|-------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|----------|
| 250 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 |      |          |
| Lymphoma Malignant         |  |             | 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    |          |
| <b>ENDOCRINE SYSTEM</b>    |  |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |          |
| Adrenal Cortex             |  |             | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | 50       |
| Lymphoma Malignant         |  |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | 1        |
| Adrenal Medulla            |  |             | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | 50       |
| Islets, Pancreatic         |  |             | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | 49       |
| Parathyroid Gland          |  |             | M    | +    | +    | M    | +    | +    | +    | +    | +    | +    | +    | +    | M    | +    | +    | +    | +    | +    | +    | +    | +    | M    | +    | +    | +    | 41   |          |
| Pituitary Gland            |  |             | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | 50       |
| Thyroid Gland              |  |             | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | 50       |
| <b>GENERAL BODY SYSTEM</b> |  |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |          |
| Peritoneum                 |  |             |      |      |      |      |      |      |      |      |      |      |      |      | +    |      |      |      |      |      |      |      |      |      |      |      |      |      | 1        |
| <b>GENITAL SYSTEM</b>      |  |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |          |
| Clitoral Gland             |  |             | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | 50       |
| Leukemia Mononuclear       |  |             |      |      |      |      |      |      |      |      |      |      |      |      | X    |      |      |      |      |      |      |      |      |      |      |      |      |      | 1        |
| Ovary                      |  |             | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | 50       |
| Leukemia Mononuclear       |  |             |      |      |      |      |      |      |      |      |      |      |      |      | X    |      |      |      |      |      |      |      |      |      |      |      |      |      | 1        |
| Luteoma                    |  |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | 1        |
| Lymphoma Malignant         |  |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | 1        |
| Uterus                     |  |             | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | 50       |

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

Experiment Number: 20320 - 04

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: MICE/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Tetrabromobisphenol A

CAS Number: 79-94-7

Date Report Requested: 01/22/2013

Time Report Requested: 10:11:10

First Dose M/F: 08/07/07 / 08/06/07

Lab: BAT

| B6C3F1 MICE FEMALE | DAY ON TEST |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |   | * TOTALS |
|--------------------|-------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|---|----------|
|                    | 0730        | 0731   | 0732   | 0733   | 0734   | 0735   | 0736   | 0737   | 0738   | 0739   | 0740   | 0741   | 0742   | 0743   | 0744   | 0745   | 0746   | 0747   | 0748   | 0749   | 0750   | 0751   | 0752   |   |          |
| 250 mg/kg          | 0076        | 0077   | 0078   | 0079   | 0080   | 0081   | 0082   | 0083   | 0084   | 0085   | 0086   | 0087   | 0088   | 0089   | 0090   | 0091   | 0092   | 0093   | 0094   | 0095   | 0096   | 0097   | 0098   | 1 |          |
|                    | 000276      | 000277 | 000278 | 000279 | 000280 | 000281 | 000282 | 000283 | 000284 | 000285 | 000286 | 000287 | 000288 | 000289 | 000290 | 000291 | 000292 | 000293 | 000294 | 000295 | 000296 | 000297 | 000298 | 1 |          |

Histiocytic Sarcoma  
Leukemia Mononuclear  
Lymphoma Malignant  
Polyp Stromal

X

X

Vagina

HEMATOPOIETIC SYSTEM

Bone Marrow  
Lymphoma Malignant

+ +

50  
1

Lymph Node  
Bronchial, Leukemia Mononuclear  
Iliac, Leukemia Mononuclear  
Inguinal, Leukemia Mononuclear  
Lumbar, Lymphoma Malignant  
Mediastinal, Leukemia Mononuclear  
Pancreatic, Histiocytic Sarcoma, Metastatic, Spleen  
Pancreatic, Lymphoma Malignant  
Renal, Lymphoma Malignant

+ + +  
X X X  
X  
X X

5  
1  
1  
1  
2  
1  
1  
1  
1

Lymph Node, Mandibular  
Lymphoma Malignant

+ + + + + + + + + + + + M + + + + + + + + + + + +

48  
3

Lymph Node, Mesenteric  
Leukemia Mononuclear  
Lymphoma Malignant

+ + + + + + + + + + + + + X + + + + + + + + + + + +

50  
1  
3

Spleen

+ +

50

\* .. Total animals with tissue examined microscopically; Total animals with tumor  
+ .. Tissue examined microscopically  
X .. Lesion present  
I .. Insufficient tissue

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

Experiment Number: 20320 - 04

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: MICE/B6C3F1

**P04: NEOPLASMS BY INDIVIDUAL ANIMAL**

Tetrabromobisphenol A

CAS Number: 79-94-7

Date Report Requested: 01/22/2013

Time Report Requested: 10:11:10

First Dose M/F: 08/07/07 / 08/06/07

Lab: BAT

| B6C3F1 MICE FEMALE<br>250 mg/kg | DAY ON TEST |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |   | * TOTALS |  |  |
|---------------------------------|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|---|----------|--|--|
|                                 | 0730        | 0731  | 0732  | 0733  | 0734  | 0735  | 0736  | 0737  | 0738  | 0739  | 0740  | 0741  | 0742  | 0743  | 0744  | 0745  | 0746  | 0747  | 0748  | 0749  | 0750  | 0751  | 0752  |   |          |  |  |
| 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 |   |          |  |  |
| Histiocytic Sarcoma             |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |   | 1        |  |  |
| Leukemia Mononuclear            |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |   | 1        |  |  |
| Lymphoma Malignant              |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |   | 3        |  |  |
| Thymus                          | +           | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | + | 50       |  |  |
| Leukemia Mononuclear            |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |   | 1        |  |  |
| Lymphoma Malignant              |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |   | 2        |  |  |
| <b>INTEGUMENTARY SYSTEM</b>     |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |   |          |  |  |
| Mammary Gland                   | +           | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | + | 50       |  |  |
| Leukemia Mononuclear            |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |   | 1        |  |  |
| Lymphoma Malignant              |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |   | 1        |  |  |
| Skin                            | +           | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | + | 50       |  |  |
| Fibrous Histiocytoma            |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |   | 1        |  |  |
| <b>MUSCULOSKELETAL SYSTEM</b>   |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |   |          |  |  |
| Bone                            | +           | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | + | 50       |  |  |
| Osteosarcoma                    |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |   | 1        |  |  |
| <b>NERVOUS SYSTEM</b>           |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |   |          |  |  |
| Brain                           | +           | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | + | 50       |  |  |
| Leukemia Mononuclear            |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |   | 1        |  |  |
| <b>RESPIRATORY SYSTEM</b>       |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |   |          |  |  |
| Lung                            | +           | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | + | 50       |  |  |
| Alveolar/Bronchiolar Adenoma    |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |   | 2        |  |  |

\* .. Total animals with tissue examined microscopically; Total animals with tumor  
 + .. Tissue examined microscopically  
 X .. Lesion present  
 I .. Insufficient tissue

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

Experiment Number: 20320 - 04

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: MICE/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Tetrabromobisphenol A

CAS Number: 79-94-7

Date Report Requested: 01/22/2013

Time Report Requested: 10:11:10

First Dose M/F: 08/07/07 / 08/06/07

Lab: BAT

| B6C3F1 MICE FEMALE<br>250 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 | 6 | 7 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 6 | 6 | 7 | 7 | 7 | 2 | 5 | 7 | 7 | 7 | 7  | 5  |          |
| Leukemia Mononuclear            |             |   |   |   |   |   |   |   |   |   |   |   |   | X |   |   |   |   |   |   |   |   |   |    | 1  |          |
| Lymphoma Malignant              |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    | 2  |          |
| Nose                            |             | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | +  | 50 |          |
| Trachea                         |             | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | +  | 50 |          |
| <b>SPECIAL SENSES SYSTEM</b>    |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |    |          |
| Eye                             |             | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | +  | 50 |          |
| Leukemia Mononuclear            |             |   |   |   |   |   |   |   |   |   |   |   |   | X |   |   |   |   |   |   |   |   |   |    | 1  |          |
| Harderian Gland                 |             | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | 49 |    |          |
| Adenoma                         |             |   |   |   |   |   |   | X |   |   |   |   |   |   |   | X |   | X |   |   |   |   | X | 6  |    |          |
| Carcinoma                       |             |   |   |   |   |   |   |   |   |   |   |   | X |   |   |   |   |   |   |   |   |   |   | 1  |    |          |
| Lymphoma Malignant              |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    | 1  |          |
| <b>URINARY SYSTEM</b>           |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |    |          |
| Kidney                          |             | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | +  | 50 |          |
| Leukemia Mononuclear            |             |   |   |   |   |   |   |   |   |   |   |   |   | X |   |   |   |   |   |   |   |   |   |    | 1  |          |
| Lymphoma Malignant              |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    | 2  |          |
| Urinary Bladder                 |             | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | +  | 50 |          |
| Leukemia Mononuclear            |             |   |   |   |   |   |   |   |   |   |   |   |   | X |   |   |   |   |   |   |   |   |   |    | 1  |          |
| Lymphoma Malignant              |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    | 1  |          |
| <b>SYSTEMIC LESIONS</b>         |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |    |          |
| Multiple Organ                  |             | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | +  | 50 |          |
| Histiocytic Sarcoma             |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   | X |   |   |   |   |   |   |   |    | 2  |          |

\* .. Total animals with tissue examined microscopically; Total animals with tumor  
+ .. Tissue examined microscopically  
X .. Lesion present  
I .. Insufficient tissue

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



Experiment Number: 20320 - 04

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: MICE/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Tetrabromobisphenol A

CAS Number: 79-94-7

Date Report Requested: 01/22/2013

Time Report Requested: 10:11:10

First Dose M/F: 08/07/07 / 08/06/07

Lab: BAT

|                           |                  |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |                 |
|---------------------------|------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-----------------|
| <b>B6C3F1 MICE FEMALE</b> | DAY ON TEST      | 07030 | 07729 | 07711 | 06629 | 06639 | 06613 | 07729 | 07730 | 07729 | 07711 | 07739 | 07729 | 07711 | 06639 | 06629 | 06613 | 07729 | 07730 | 07729 | 05526 | 07729 | 07712 | 07730 | 07735 | 07756 | <b>* TOTALS</b> |
|                           | <b>250 mg/kg</b> | 00000 | 00000 | 00000 | 00000 | 00000 | 00000 | 00000 | 00000 | 00000 | 00000 | 00000 | 00000 | 00000 | 00000 | 00000 | 00000 | 00000 | 00000 | 00000 | 00000 | 00000 | 00000 | 00000 | 00000 | 00000 |                 |
|                           | ANIMAL ID        | 276   | 277   | 278   | 220   | 221   | 222   | 223   | 224   | 225   | 226   | 227   | 228   | 229   | 230   | 231   | 232   | 233   | 234   | 235   | 236   | 237   | 238   | 239   | 240   | 241   |                 |
| Leukemia Mononuclear      |                  |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       | 1               |
| Lymphoma Malignant        |                  |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       | 4               |

\* .. Total animals with tissue examined microscopically; Total animals with tumor  
+ .. Tissue examined microscopically  
X .. Lesion present  
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Experiment Number: 20320 - 04

Test Type: CHRONIC

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Species/Strain: MICE/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Tetrabromobisphenol A

CAS Number: 79-94-7

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Lab: BAT

|                           |                  |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |                              |      |
|---------------------------|------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------------------------------|------|
| <b>B6C3F1 MICE FEMALE</b> | DAY ON TEST      | 0730 | 0520 | 0730 | 0669 | 0664 | 0572 | 0779 | 0776 | 0773 | 0770 | 0777 | 0773 | 0770 | 0770 | 0777 | 0488 | 0488 | 0728 | 0773 | 0779 | 0621 | 0739 | 0771 | 0772 | <b>females<br/>(cont...)</b> |      |
|                           | <b>500 mg/kg</b> | 0030 | 0033 | 0033 | 0033 | 0033 | 0033 | 0033 | 0033 | 0033 | 0033 | 0033 | 0033 | 0033 | 0033 | 0033 | 0033 | 0033 | 0033 | 0033 | 0033 | 0033 | 0033 | 0033 | 0033 |                              | 0033 |
|                           | ANIMAL ID        | 01   | 02   | 03   | 04   | 05   | 06   | 07   | 08   | 09   | 00   | 01   | 02   | 03   | 04   | 05   | 06   | 07   | 08   | 09   | 00   | 01   | 02   | 03   | 04   | 05                           |      |

**ALIMENTARY SYSTEM**

|                                    |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|------------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Esophagus                          | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Gallbladder                        | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Large, Cecum             | + | A | + | + | A | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | A | + | + | + |   |
| Intestine Large, Colon             | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |   |
| Intestine Large, Rectum<br>Adenoma | + | + | + | + |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Intestine Small, Duodenum          | + | A | + | + | A | + | + | + | + | + | + | + | + | + | + | A | A | A | + | + | A | + | + | + |   |
| Intestine Small, Ileum             | + | A | + | + | A | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | A | + | + | + |   |
| Intestine Small, Jejunum           | + | A | + | + | A | + | + | + | + | + | + | + | + | + | + | A | + | A | + | + | + | + | + | + |   |
| Liver                              | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + |   |
| Hemangioma                         |   |   |   |   |   |   |   |   | X |   |   |   |   |   |   |   |   |   |   |   |   |   |   | X |   |
| Hepatocellular Adenoma             | X |   |   |   |   |   |   |   |   |   |   | X |   |   | X |   |   |   | X | X |   |   |   |   |   |
| Hepatocellular Adenoma, Multiple   |   |   | X |   |   |   |   |   |   |   |   |   | X |   |   |   |   |   |   |   |   |   |   |   |   |
| Hepatocellular Carcinoma           |   |   |   |   |   | X |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | X |   |   |   |
| Lymphoma Malignant                 |   |   |   | X |   |   |   |   |   |   | X |   |   |   |   |   |   |   |   |   |   |   | X |   |   |
| Mesentery                          |   | + |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | + |   |
| Pancreas                           | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |   |

\* .. Total animals with tissue examined microscopically; Total animals with tumor  
 + .. Tissue examined microscopically  
 X .. Lesion present  
 I .. Insufficient tissue

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

Experiment Number: 20320 - 04

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: MICE/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Tetrabromobisphenol A

CAS Number: 79-94-7

Date Report Requested: 01/22/2013

Time Report Requested: 10:11:10

First Dose M/F: 08/07/07 / 08/06/07

Lab: BAT

| B6C3F1 MICE FEMALE           | 500 mg/kg | DAY ON TEST      |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  | ANIMAL ID | females<br>(cont...) |                  |                  |                  |                  |   |
|------------------------------|-----------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|-----------|----------------------|------------------|------------------|------------------|------------------|---|
|                              |           | 0<br>7<br>3<br>0 | 0<br>5<br>2<br>0 | 0<br>7<br>3<br>0 | 0<br>6<br>6<br>9 | 0<br>6<br>2<br>4 | 0<br>5<br>5<br>2 | 0<br>7<br>2<br>9 | 0<br>7<br>2<br>9 | 0<br>7<br>3<br>0 | 0<br>6<br>5<br>9 | 0<br>7<br>3<br>1 | 0<br>7<br>2<br>9 | 0<br>7<br>3<br>0 | 0<br>7<br>3<br>0 | 0<br>7<br>3<br>0 | 0<br>4<br>8<br>1 | 0<br>4<br>8<br>0 | 0<br>7<br>2<br>8 | 0<br>7<br>3<br>0 | 0<br>6<br>1<br>9 |           |                      | 0<br>7<br>3<br>1 | 0<br>7<br>3<br>1 | 0<br>6<br>3<br>4 | 0<br>7<br>2<br>5 |   |
| Salivary Glands              |           | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +         | +                    | +                | +                | +                | +                |   |
| Stomach, Forestomach         |           | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +         | +                    | +                | +                | +                | +                |   |
| Stomach, Glandular           |           | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +         | +                    | +                | +                | +                | +                |   |
| Tooth                        |           |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |           |                      |                  |                  |                  |                  |   |
| <b>CARDIOVASCULAR SYSTEM</b> |           |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |           |                      |                  |                  |                  |                  |   |
| Blood Vessel                 |           | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +         | +                    | +                | +                | +                | +                | + |
| Heart                        |           | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +         | +                    | +                | +                | +                | +                | + |
| <b>ENDOCRINE SYSTEM</b>      |           |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |           |                      |                  |                  |                  |                  |   |
| Adrenal Cortex               |           | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | M                | +                | +                | +         | +                    | +                | +                | +                | +                | + |
| Adrenal Medulla              |           | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | M                | +                | +                | +         | +                    | +                | +                | +                | +                | + |
| Islets, Pancreatic           |           | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +         | +                    | +                | +                | +                | +                | + |
| Parathyroid Gland            |           | +                | M                | +                | +                | +                | +                | +                | M                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +         | +                    | M                | +                | M                | +                | + |
| Pituitary Gland              |           | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +         | +                    | +                | +                | +                | +                | + |
| Pars Intermedia, Adenoma     |           |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |           |                      |                  |                  |                  |                  |   |
| Thyroid Gland                |           | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +         | +                    | +                | +                | +                | +                | + |
| C-cell, Carcinoma            |           |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |           |                      |                  |                  |                  |                  |   |
| Follicular Cell, Adenoma     |           |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |           |                      |                  |                  |                  |                  |   |

\* .. Total animals with tissue examined microscopically; Total animals with tumor  
 + .. Tissue examined microscopically  
 X .. Lesion present  
 I .. Insufficient tissue

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

Experiment Number: 20320 - 04

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: MICE/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Tetrabromobisphenol A

CAS Number: 79-94-7

Date Report Requested: 01/22/2013

Time Report Requested: 10:11:10

First Dose M/F: 08/07/07 / 08/06/07

Lab: BAT

|                           |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|---------------------------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| <b>B6C3F1 MICE FEMALE</b> | DAY ON TEST | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |   |
|                           | ANIMAL ID   | 7 | 5 | 7 | 6 | 6 | 5 | 7 | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 4 | 4 | 7 | 7 | 7 | 6 | 7 | 7 | 3 | 2 | 1 | 3 | 2 | 2 | 2 | 2 | 2 |
| <b>500 mg/kg</b>          |             | 3 | 2 | 3 | 6 | 2 | 5 | 2 | 2 | 3 | 5 | 3 | 2 | 3 | 3 | 3 | 3 | 3 | 8 | 8 | 2 | 3 | 2 | 1 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |   |
|                           |             | 0 | 0 | 0 | 9 | 4 | 2 | 9 | 9 | 0 | 9 | 1 | 9 | 0 | 0 | 0 | 0 | 1 | 0 | 6 | 8 | 0 | 0 | 9 | 1 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |   |
|                           |             | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |   |
|                           | 3           | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |   |
|                           | 0           | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 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 |   |   |   |   |   |   |   |   |   |   |   |
|                           |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |

females  
(cont...)

GENERAL BODY SYSTEM

NONE

GENITAL SYSTEM

|                                |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |  |
|--------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|--|
| Clitoral Gland                 | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |   |  |  |
| Ovary                          | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |  |  |
| Cystadenoma                    |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |  |
| Granulosa Cell Tumor Malignant | X |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |  |
| Oviduct                        |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |  |
| +                              |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |  |
| Uterus                         | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |  |  |
| Polyp Stromal                  |   |   |   |   | X |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |  |
| Sarcoma Stromal                |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |  |
| X                              |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |  |
| X                              |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |  |

HEMATOPOIETIC SYSTEM

|   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|
| Bone Marrow   | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |   |  |
| Lymph Node  | + |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |
| Pancreatic, Granulosa Cell Tumor Malignant, Metastatic, Ovary | X |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |
| Lymph Node, Mandibular  | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |  |
| Lymphoma Malignant  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |
| Lymph Node, Mesenteric  | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |  |
| Lymphoma Malignant  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |
| X   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |
| X   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |

\* .. Total animals with tissue examined microscopically; Total animals with tumor  
+ .. Tissue examined microscopically  
X .. Lesion present  
I .. Insufficient tissue

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

Experiment Number: 20320 - 04

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: MICE/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Tetrabromobisphenol A

CAS Number: 79-94-7

Date Report Requested: 01/22/2013

Time Report Requested: 10:11:10

First Dose M/F: 08/07/07 / 08/06/07

Lab: BAT

| B6C3F1 MICE FEMALE<br>500 mg/kg        | DAY ON TEST      |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  | ANIMAL ID | females<br>(cont...) |                  |   |
|--|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|-----------|----------------------|------------------|---|
|  | 0<br>7<br>3<br>0 | 0<br>5<br>2<br>0 | 0<br>7<br>3<br>0 | 0<br>6<br>6<br>9 | 0<br>6<br>2<br>4 | 0<br>5<br>5<br>2 | 0<br>7<br>2<br>9 | 0<br>7<br>2<br>9 | 0<br>7<br>3<br>0 | 0<br>6<br>5<br>9 | 0<br>7<br>3<br>1 | 0<br>7<br>2<br>9 | 0<br>7<br>3<br>0 | 0<br>7<br>3<br>0 | 0<br>7<br>3<br>0 | 0<br>4<br>8<br>0 | 0<br>4<br>8<br>6 | 0<br>7<br>2<br>8 | 0<br>7<br>3<br>0 | 0<br>6<br>2<br>9 | 0<br>7<br>1<br>9 | 0<br>7<br>3<br>1 | 0<br>7<br>3<br>2 | 0<br>7<br>3<br>5 |           |                      |                  |   |
| Spleen                                 | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +         | +                    | 0<br>0<br>3<br>0 |   |
| Lymphoma Malignant                     |                  |                  |                  | X                |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |           |                      |                  | X |
| Thymus                                 | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +         | +                    | 0<br>0<br>3<br>0 |   |
|  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |           |                      | 1<br>2<br>3<br>4 | M |
| <b>INTEGUMENTARY SYSTEM</b>            |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |           |                      |                  |   |
| Mammary Gland                          | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +         | +                    | 0<br>0<br>3<br>0 |   |
| Fibroadenoma                           |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |           |                      |                  |   |
| Skin                                   | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +         | +                    | 0<br>0<br>3<br>0 |   |
| Schwannoma Malignant                   |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |           |                      |                  |   |
| <b>MUSCULOSKELETAL SYSTEM</b>          |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |           |                      |                  |   |
| Bone                                   | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +         | +                    | 0<br>0<br>3<br>0 |   |
| <b>NERVOUS SYSTEM</b>                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |           |                      |                  |   |
| Brain                                  | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +         | +                    | 0<br>0<br>3<br>0 |   |
| <b>RESPIRATORY SYSTEM</b>              |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |           |                      |                  |   |
| Lung                                   | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +         | +                    | 0<br>0<br>3<br>0 |   |
| Alveolar/Bronchiolar Adenoma           |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |           |                      |                  |   |
| Lymphoma Malignant                     |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |           |                      |                  | X |
| Schwannoma Malignant, Metastatic, Skin |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |           |                      |                  |   |
| Nose                                   | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +         | +                    | 0<br>0<br>3<br>0 |   |
| Trachea                                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +         | +                    | 0<br>0<br>3<br>0 |   |

\* .. Total animals with tissue examined microscopically; Total animals with tumor  
+ .. Tissue examined microscopically  
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M .. Missing tissue  
A .. Autolysis precludes evaluation  
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Experiment Number: 20320 - 04

Test Type: CHRONIC

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Species/Strain: MICE/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Tetrabromobisphenol A

CAS Number: 79-94-7

Date Report Requested: 01/22/2013

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First Dose M/F: 08/07/07 / 08/06/07

Lab: BAT

|                           |             |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
|---------------------------|-------------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| <b>B6C3F1 MICE FEMALE</b> | DAY ON TEST | 07 | 05 | 07 | 06 | 06 | 05 | 07 | 07 | 07 | 06 | 07 | 07 | 07 | 07 | 07 | 07 | 07 | 04 | 04 | 07 | 07 | 06 | 07 | 07 |
|                           | ANIMAL ID   | 30 | 32 | 33 | 36 | 32 | 35 | 32 | 32 | 33 | 35 | 33 | 32 | 33 | 33 | 33 | 33 | 33 | 38 | 38 | 32 | 33 | 32 | 31 | 33 |
| <b>500 mg/kg</b>          | DAY ON TEST | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 |
|                           | ANIMAL ID   | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 |
|                           |             | 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 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 |
|                           |             |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |

females (cont...)

SPECIAL SENSES SYSTEM

|                 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|-----------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Eye             | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Harderian Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Adenoma         |   |   |   | X |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Carcinoma       |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | X |   |   |   |   |   |

URINARY SYSTEM

|                    |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|--------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Kidney             | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Lymphoma Malignant |   |   |   | X |   |   |   |   |   | X |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Urinary Bladder    | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |

SYSTEMIC LESIONS

|                    |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|--------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Multiple Organ     | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Lymphoma Malignant |   |   |   | X |   |   |   |   |   | X |   |   |   |   |   |   |   |   |   |   |   |   | X |   |

\* .. Total animals with tissue examined microscopically; Total animals with tumor  
+ .. Tissue examined microscopically  
X .. Lesion present  
I .. Insufficient tissue

M .. Missing tissue  
A .. Autolysis precludes evaluation  
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First Dose M/F: 08/07/07 / 08/06/07

Lab: BAT

|                           |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |                 |
|---------------------------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------------|
| <b>B6C3F1 MICE FEMALE</b> | DAY ON TEST | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | <b>* TOTALS</b> |
|                           |             | 7 | 7 | 7 | 7 | 7 | 6 | 4 | 7 | 7 | 7 | 6 | 7 | 7 | 6 | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 7 |                 |
|                           |             | 2 | 2 | 3 | 2 | 3 | 3 | 3 | 8 | 3 | 3 | 3 | 8 | 3 | 2 | 4 | 3 | 0 | 2 | 2 | 3 | 2 | 2 | 3 |                 |
| <b>500 mg/kg</b>          | ANIMAL ID   | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | <b>* TOTALS</b> |
|                           |             | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |                 |
|                           |             | 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 | <b>* TOTALS</b> |
|                           | 6           | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |                 |
|                           | 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                          | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | <b>50</b>             |
| Gallbladder                        | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | <b>50</b>             |
| Intestine Large, Cecum             | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | <b>45</b>             |
| Intestine Large, Colon             | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | <b>50</b>             |
| Intestine Large, Rectum<br>Adenoma | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | <b>50</b><br><b>1</b> |
| Intestine Small, Duodenum          | + | + | + | + | + | + | A | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | <b>42</b>             |
| Intestine Small, Ileum             | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | <b>45</b>             |
| Intestine Small, Jejunum           | + | + | + | + | + | + | A | A | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | <b>43</b>             |
| Liver                              | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | <b>49</b>             |
| Hemangioma                         |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | <b>2</b>              |
| Hepatocellular Adenoma             |   |   | X |   |   |   |   |   |   |   |   |   | X | X |   |   |   |   |   |   | X | X | X |   | <b>11</b>             |
| Hepatocellular Adenoma, Multiple   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | X |   | X |   |   |   | <b>4</b>              |
| Hepatocellular Carcinoma           |   |   | X |   | X |   |   |   |   |   |   |   |   |   |   |   |   |   |   | X |   |   |   |   | <b>5</b>              |
| Lymphoma Malignant                 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | <b>3</b>              |
| Mesentery                          |   |   |   |   |   |   |   |   |   |   | + |   |   |   |   |   | + | + |   |   | + |   |   |   | <b>7</b>              |
| Pancreas                           | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | <b>50</b>             |

\* .. Total animals with tissue examined microscopically; Total animals with tumor  
+ .. Tissue examined microscopically  
X .. Lesion present  
I .. Insufficient tissue

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





Experiment Number: 20320 - 04

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: MICE/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Tetrabromobisphenol A

CAS Number: 79-94-7

Date Report Requested: 01/22/2013

Time Report Requested: 10:11:10

First Dose M/F: 08/07/07 / 08/06/07

Lab: BAT

|                           |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |                 |
|---------------------------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------------|
| <b>B6C3F1 MICE FEMALE</b> | DAY ON TEST | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |   |   |   |                 |
|                           |             | 7 | 7 | 7 | 7 | 7 | 7 | 6 | 4 | 7 | 7 | 7 | 6 | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |   | 7 |   |                 |
| <b>500 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 |   |                 |
|                           |             | 2 | 2 | 3 | 2 | 3 | 3 | 3 | 8 | 3 | 3 | 3 | 8 | 3 | 2 | 4 | 3 | 0 | 2 | 2 | 3 | 2 | 2 | 3 |   |   |                 |
|                           |             | 9 | 9 | 1 | 9 | 1 | 0 | 8 | 7 | 0 | 1 | 1 | 8 | 0 | 9 | 4 | 1 | 1 | 9 | 9 | 0 | 9 | 3 | 0 |   |   |                 |
|                           |             | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |   |   |                 |
|                           |             | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |   |   |                 |
|                           |             | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |   |   |                 |
|                           |             | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 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> |
|                           |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |                 |

**GENERAL BODY SYSTEM**

NONE

**GENITAL SYSTEM**

|                                |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |           |
|--------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------|
| Clitoral Gland                 | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | <b>49</b> |
| Ovary                          | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | <b>50</b> |
| Cystadenoma                    |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | X |   |   | <b>1</b>  |
| Granulosa Cell Tumor Malignant |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | <b>1</b>  |
| Oviduct                        |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | <b>1</b>  |
| Uterus                         | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | <b>50</b> |
| Polyp Stromal                  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | <b>1</b>  |
| Sarcoma Stromal                |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | <b>1</b>  |

**HEMATOPOIETIC SYSTEM**

|   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |           |           |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------|-----------|
| Bone Marrow   | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | +         | <b>50</b> |
| Lymph Node  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |           | <b>3</b>  |
| Pancreatic, Granulosa Cell Tumor Malignant, Metastatic, Ovary |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |           | <b>1</b>  |
| Lymph Node, Mandibular  | + | + | + | + | + | + | + | + | + | + | + | M | + | + | M | + | + | + | + | + | + | + | + | + | <b>48</b> |           |
| Lymphoma Malignant  |   |   |   |   |   |   |   |   |   |   |   | X |   |   |   |   |   |   |   |   |   |   |   |   | <b>1</b>  |           |
| Lymph Node, Mesenteric  | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | <b>50</b> |           |
| Lymphoma Malignant  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | <b>3</b>  |           |

\* .. Total animals with tissue examined microscopically; Total animals with tumor  
+ .. Tissue examined microscopically  
X .. Lesion present  
I .. Insufficient tissue

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

Experiment Number: 20320 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL  
 Tetrabromobisphenol A  
 CAS Number: 79-94-7

Date Report Requested: 01/22/2013  
 Time Report Requested: 10:11:10  
 First Dose M/F: 08/07/07 / 08/06/07  
 Lab: BAT

| B6C3F1 MICE FEMALE<br>500 mg/kg        | DAY ON TEST |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       | * TOTALS |  |  |
|--|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------|--|--|
|  | 0729        | 0729  | 0731  | 0732  | 0733  | 0733  | 0733  | 0738  | 0747  | 0747  | 0747  | 0768  | 0777  | 0777  | 0777  | 0786  | 0787  | 0787  | 0796  | 0797  | 0797  | 0797  | 0797  | 0797  |          |  |  |
| ANIMAL ID                              | 00326       | 00332 | 00332 | 00332 | 00333 | 00333 | 00333 | 00333 | 00333 | 00333 | 00333 | 00333 | 00333 | 00333 | 00333 | 00333 | 00333 | 00333 | 00333 | 00333 | 00333 | 00333 | 00333 | 00333 | 00333    |  |  |
| Spleen                                 | +           | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | 50       |  |  |
| Lymphoma Malignant                     |             |       |       |       |       |       | X     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       | 3        |  |  |
| Thymus                                 | +           | +     | +     | +     | +     | +     | +     | +     | +     | M     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | 48       |  |  |
| <b>INTEGUMENTARY SYSTEM</b>            |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |          |  |  |
| Mammary Gland                          | +           | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | 50       |  |  |
| Fibroadenoma                           |             |       |       |       |       |       |       |       |       |       |       |       |       |       | X     |       |       |       |       |       |       |       |       |       | 1        |  |  |
| Skin                                   | +           | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | 50       |  |  |
| Schwannoma Malignant                   |             |       |       |       |       |       |       |       |       |       |       | X     |       |       |       |       |       |       |       |       |       |       |       |       | 1        |  |  |
| <b>MUSCULOSKELETAL SYSTEM</b>          |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |          |  |  |
| Bone                                   | +           | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | 50       |  |  |
| <b>NERVOUS SYSTEM</b>                  |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |          |  |  |
| Brain                                  | +           | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | 50       |  |  |
| <b>RESPIRATORY SYSTEM</b>              |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |          |  |  |
| Lung                                   | +           | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | 50       |  |  |
| Alveolar/Bronchiolar Adenoma           |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       | X     | 1        |  |  |
| Lymphoma Malignant                     |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       | 1        |  |  |
| Schwannoma Malignant, Metastatic, Skin |             |       |       |       |       |       |       |       |       |       |       |       | X     |       |       |       |       |       |       |       |       |       |       |       | 1        |  |  |
| Nose                                   | +           | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | 50       |  |  |
| Trachea                                | +           | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | 50       |  |  |

\* .. Total animals with tissue examined microscopically; Total animals with tumor  
 + .. Tissue examined microscopically  
 X .. Lesion present  
 I .. Insufficient tissue

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

Experiment Number: 20320 - 04

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: MICE/B6C3F1

**P04: NEOPLASMS BY INDIVIDUAL ANIMAL**

Tetrabromobisphenol A

CAS Number: 79-94-7

Date Report Requested: 01/22/2013

Time Report Requested: 10:11:10

First Dose M/F: 08/07/07 / 08/06/07

Lab: BAT

| DAY ON TEST | ANIMAL ID |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | * TOTALS |   |    |    |
|-------------|-----------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----------|---|----|----|
|             | 0         | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |          | 0 | 0  | 50 |
| 7           | 7         | 7 | 7 | 7 | 7 | 6 | 4 | 7 | 7 | 7 | 6 | 7 | 7 | 6 | 7 | 7 | 6 | 7 | 7 | 7 | 7        | 7 | 50 |    |
| 2           | 2         | 3 | 2 | 3 | 3 | 3 | 8 | 3 | 3 | 3 | 8 | 3 | 2 | 4 | 3 | 0 | 2 | 2 | 3 | 2 | 2        | 3 | 50 |    |
| 9           | 9         | 1 | 9 | 1 | 0 | 8 | 7 | 0 | 1 | 1 | 8 | 0 | 9 | 4 | 1 | 1 | 9 | 9 | 0 | 9 | 0        | 9 | 0  | 50 |

**SPECIAL SENSES SYSTEM**

|                 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |
|-----------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|
| Eye             | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Harderian Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Adenoma         |   |   |   |   |   |   |   |   |   |   |   | X |   |   |   |   |   |   |   | X |   |   | 3  |
| Carcinoma       |   |   |   |   |   |   |   |   |   |   |   | X |   |   |   |   |   |   |   |   |   |   | 2  |

**URINARY SYSTEM**

|                    |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |
|--------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|
| Kidney             | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Lymphoma Malignant |   |   |   |   | X |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 3  |
| Urinary Bladder    | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |

**SYSTEMIC LESIONS**

|                    |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |
|--------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|
| Multiple Organ     | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Lymphoma Malignant |   |   |   |   | X |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 4  |

\* .. Total animals with tissue examined microscopically; Total animals with tumor  
+ .. Tissue examined microscopically  
X .. Lesion present  
I .. Insufficient tissue

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

Experiment Number: 20320 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

**P04: NEOPLASMS BY INDIVIDUAL ANIMAL**  
 Tetrabromobisphenol A  
 CAS Number: 79-94-7

Date Report Requested: 01/22/2013  
 Time Report Requested: 10:11:10  
 First Dose M/F: 08/07/07 / 08/06/07  
 Lab: BAT

|                           |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |                              |   |   |   |   |   |   |   |   |
|---------------------------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|------------------------------|---|---|---|---|---|---|---|---|
| <b>B6C3F1 MICE FEMALE</b> | DAY ON TEST | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0                            | 0 | 0 | 0 | 0 | 0 | 0 |   |   |
|                           |             | 3 | 2 | 4 | 4 | 6 | 3 | 3 | 3 | 6 | 5 | 6 | 2 | 1 | 6 | 2 | 6 | 3 | 2 | 3 | 5 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3                            | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 5 |
|                           |             | 5 | 3 | 3 | 3 | 8 | 4 | 3 | 4 | 4 | 3 | 3 | 3 | 5 | 4 | 2 | 8 | 2 | 7 | 7 | 3 | 1 | 5 | 6 | 3 | 3 | 3 | 3 | 3 | 3                            | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 2 |
| <b>1000 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 |   |
|                           |             | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3                            | 3 | 3 | 3 | 3 | 3 | 3 | 3 |   |
|                           |             | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5                            | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
|                           |             | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9                            | 0 | 1 | 2 | 3 | 4 | 5 | 6 |   |
|                           |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | <b>females<br/>(cont...)</b> |   |   |   |   |   |   |   |   |

**ALIMENTARY SYSTEM**

|                           |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|---------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Esophagus                 | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |   |   |   |
| Gallbladder               | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |   |   |
| Intestine Large, Cecum    | A | A | + | + | + | + | A | A | A | A | + | + | A | + | A | + | A | A | + | + | A | A | A | + | A | A | + | A | A | + | A | A | + | A | A | + |   |   |   |
| Intestine Large, Colon    | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |   |   |
| Intestine Large, Rectum   | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |   |   |
| Intestine Small, Duodenum | A | A | + | + | + | + | A | + | A | A | + | + | A | + | A | + | A | A | + | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A |   |   |
| Intestine Small, Ileum    | A | A | + | + | + | + | A | A | + | A | + | + | A | + | A | + | A | A | + | + | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A |   |   |
| Intestine Small, Jejunum  | A | A | A | + | + | + | A | A | + | A | + | + | A | + | A | + | A | A | + | + | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A |   |   |
| Liver                     | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |   |   |
| Hepatocellular Adenoma    |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Hepatocellular Carcinoma  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Lymphoma Malignant        |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Pancreas                  | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |   |
| Salivary Glands           | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Stomach, Forestomach      | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Stomach, Glandular        | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |

\* .. Total animals with tissue examined microscopically; Total animals with tumor  
 + .. Tissue examined microscopically  
 X .. Lesion present  
 I .. Insufficient tissue

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

Experiment Number: 20320 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL  
 Tetrabromobisphenol A  
 CAS Number: 79-94-7

Date Report Requested: 01/22/2013  
 Time Report Requested: 10:11:10  
 First Dose M/F: 08/07/07 / 08/06/07  
 Lab: BAT

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

**CARDIOVASCULAR SYSTEM**

|              |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|--------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Blood Vessel | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Heart        | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |

**ENDOCRINE SYSTEM**

|                    |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|--------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Adrenal Cortex     | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Adrenal Medulla    | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Islets, Pancreatic | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Parathyroid Gland  | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | M | M | + | M | + | M | + | M |
| Pituitary Gland    | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Thyroid Gland      | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |

**GENERAL BODY SYSTEM**

NONE

**GENITAL SYSTEM**

|                      |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|----------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Clitoral Gland       | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | M | + | + | + | + | + | + |
| Ovary<br>Cystadenoma | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |

\* .. Total animals with tissue examined microscopically; Total animals with tumor  
 + .. Tissue examined microscopically  
 X .. Lesion present  
 I .. Insufficient tissue

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

Experiment Number: 20320 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL  
 Tetrabromobisphenol A  
 CAS Number: 79-94-7

Date Report Requested: 01/22/2013  
 Time Report Requested: 10:11:10  
 First Dose M/F: 08/07/07 / 08/06/07  
 Lab: BAT

| B6C3F1 MICE FEMALE            | DAY ON TEST | ANIMAL ID |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | females<br>(cont...) |
|-------------------------------|-------------|-----------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----------------------|
|                               |             | 0         | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |                      |
| 1000 mg/kg                    |             | 0         | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0                    |
|                               |             | 3         | 2 | 4 | 4 | 6 | 3 | 3 | 3 | 6 | 5 | 6 | 2 | 1 | 6 | 2 | 6 | 3 | 2 | 3 | 5 | 2                    |
|                               |             | 5         | 3 | 3 | 3 | 8 | 4 | 3 | 4 | 4 | 3 | 3 | 3 | 5 | 4 | 2 | 8 | 2 | 7 | 3 | 1 | 5                    |
|                               |             | 4         | 1 | 3 | 0 | 2 | 4 | 9 | 7 | 3 | 1 | 3 | 4 | 7 | 6 | 7 | 1 | 5 | 6 | 3 | 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                    |
|                               |             | 3         | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3                    |
|                               |             | 5         | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 7 | 7 | 7                    |
|                               |             | 1         | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1                    |
| Uterus                        |             | +         | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | +                    |
| <b>HEMATOPOIETIC SYSTEM</b>   |             |           |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |                      |
| Bone Marrow                   |             | +         | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | +                    |
| Lymph Node                    |             |           |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |                      |
| Lymph Node, Mandibular        |             | +         | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | +                    |
| Lymph Node, Mesenteric        |             | +         | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | +                    |
| Spleen                        |             | +         | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | +                    |
| Thymus                        |             | +         | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | +                    |
| <b>INTEGUMENTARY SYSTEM</b>   |             |           |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |                      |
| Mammary Gland                 |             | +         | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | +                    |
| Skin                          |             | +         | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | +                    |
| Squamous Cell Papilloma       |             |           |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |                      |
| Subcutaneous Tissue, Sarcoma  |             |           |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | X                    |
| <b>MUSCULOSKELETAL SYSTEM</b> |             |           |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |                      |
| Bone                          |             | +         | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | +                    |
| <b>NERVOUS SYSTEM</b>         |             |           |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |                      |
| Brain                         |             | +         | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | +                    |

\* .. Total animals with tissue examined microscopically; Total animals with tumor  
 + .. Tissue examined microscopically  
 X .. Lesion present  
 I .. Insufficient tissue

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

Experiment Number: 20320 - 04

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: MICE/B6C3F1

**P04: NEOPLASMS BY INDIVIDUAL ANIMAL**

Tetrabromobisphenol A

CAS Number: 79-94-7

Date Report Requested: 01/22/2013

Time Report Requested: 10:11:10

First Dose M/F: 08/07/07 / 08/06/07

Lab: BAT

|                           |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |                              |
|---------------------------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|------------------------------|
| <b>B6C3F1 MICE FEMALE</b> | DAY ON TEST | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | <b>females<br/>(cont...)</b> |
|                           |             | 3 | 2 | 4 | 4 | 6 | 3 | 3 | 3 | 6 | 5 | 6 | 2 | 1 | 6 | 2 | 6 | 3 | 2 | 3 | 5 | 2 | 3 | 3 | 3 | 5 |                              |
|                           |             | 5 | 3 | 3 | 3 | 8 | 4 | 3 | 4 | 4 | 3 | 3 | 3 | 5 | 4 | 2 | 8 | 2 | 7 | 7 | 3 | 1 | 5 | 6 | 3 | 4 |                              |
| <b>1000 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 |                              |
|                           |             | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |                              |
|                           |             | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 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 |                              |

**RESPIRATORY SYSTEM**

|         |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|---------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Lung    | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Nose    | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Trachea | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |

**SPECIAL SENSES SYSTEM**

|                            |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|----------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Eye                        | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Harderian Gland<br>Adenoma | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |

**URINARY SYSTEM**

|                              |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Kidney<br>Lymphoma Malignant | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Urinary Bladder              | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |

**SYSTEMIC LESIONS**

|                                      |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|--------------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Multiple Organ<br>Lymphoma Malignant | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
|--------------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|

\* .. Total animals with tissue examined microscopically; Total animals with tumor  
+ .. Tissue examined microscopically  
X .. Lesion present  
I .. Insufficient tissue

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

Experiment Number: 20320 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL  
 Tetrabromobisphenol A  
 CAS Number: 79-94-7

Date Report Requested: 01/22/2013  
 Time Report Requested: 10:11:10  
 First Dose M/F: 08/07/07 / 08/06/07  
 Lab: BAT

| B6C3F1 MICE FEMALE<br>1000 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 | * TOTALS |
|----------------------------------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----------|
|                                  | ANIMAL ID   | 2 | 6 | 5 | 2 | 3 | 5 | 3 | 3 | 3 | 4 | 2 | 4 | 3 | 1 | 4 | 3 | 2 | 7 | 7 | 2 | 7 | 2 | 7 | 2 | 7 | 2 | 7 |          |
|                                  |             | 2 | 6 | 5 | 2 | 3 | 5 | 3 | 3 | 4 | 2 | 4 | 3 | 1 | 4 | 3 | 2 | 7 | 7 | 2 | 7 | 2 | 7 | 2 | 7 | 2 | 7 | 2 |          |
|                                  |             | 1 | 5 | 3 | 9 | 0 | 2 | 0 | 6 | 7 | 4 | 5 | 8 | 8 | 2 | 8 | 1 | 3 | 3 | 3 | 7 | 3 | 0 | 6 | 8 | 4 | 5 | 3 |          |
|                                  |             | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |          |
|                                  |             | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |          |
|                                  |             | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |          |
|                                  |             | 7 | 7 | 7 | 7 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |          |
|                                  |             | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 0 |   |          |

**ALIMENTARY SYSTEM**

|                           |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |    |
|---------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|----|
| Esophagus                 | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | +  | 50 |
| Gallbladder               | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | +  | 50 |
| Intestine Large, Cecum    | A | + | A | A | A | + | A | A | A | A | A | + | + | + | + | A | + | + | A | + | A | A | A | + |   | 21 |    |
| Intestine Large, Colon    | + | + | + | + | + | + | A | A | A | + | + | A | + | + | + | + | + | + | + | + | + | A | + | + | + |    | 43 |
| Intestine Large, Rectum   | + | + | + | + | + | + | A | A | A | + | + | + | + | + | + | + | + | + | + | + | + | A | A | + | + |    | 41 |
| Intestine Small, Duodenum | A | A | A | A | A | A | A | A | A | + | A | A | + | + | A | + | A | + | + | A | + | A | A | A | + |    | 18 |
| Intestine Small, Ileum    | A | A | A | A | A | A | A | A | A | A | A | + | + | + | + | A | + | + | A | + | A | A | A | + |   | 19 |    |
| Intestine Small, Jejunum  | A | A | A | A | A | A | A | A | A | + | A | A | + | + | A | + | A | + | + | A | + | A | A | A | + |    | 18 |
| Liver                     | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |    | 49 |
| Hepatocellular Adenoma    |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    | 1  |
| Hepatocellular Carcinoma  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | X |   |   |    | 1  |
| Lymphoma Malignant        |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | X |   |   |   |    | 1  |
| Pancreas                  | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | +  | 50 |
| Salivary Glands           | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | +  | 50 |
| Stomach, Forestomach      | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | +  | 48 |
| Stomach, Glandular        | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | +  | 50 |

\* .. Total animals with tissue examined microscopically; Total animals with tumor  
 + .. Tissue examined microscopically  
 X .. Lesion present  
 I .. Insufficient tissue

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



Experiment Number: 20320 - 04

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: MICE/B6C3F1

### P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Tetrabromobisphenol A

CAS Number: 79-94-7

Date Report Requested: 01/22/2013

Time Report Requested: 10:11:10

First Dose M/F: 08/07/07 / 08/06/07

Lab: BAT

|                           |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |                 |   |
|---------------------------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------------|---|
| <b>B6C3F1 MICE FEMALE</b> | DAY ON TEST | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | <b>* TOTALS</b> |   |
|                           |             | 2 | 6 | 5 | 2 | 3 | 5 | 3 | 3 | 3 | 4 | 2 | 4 | 3 | 1 | 4 | 3 | 2 | 7 | 7 | 2 | 7 | 2 | 1 | 5 |                 | 7 |
|                           |             | 1 | 5 | 3 | 9 | 0 | 2 | 0 | 6 | 7 | 4 | 5 | 8 | 8 | 2 | 8 | 1 | 3 | 3 | 3 | 7 | 3 | 0 | 8 | 4 |                 | 3 |
| <b>1000 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 | <b>* TOTALS</b> |   |
|                           |             | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 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 |                 |   |
|                           |             | 7 | 7 | 7 | 7 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |   |                 |   |
|                           |             | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |                 |   |

### CARDIOVASCULAR SYSTEM

|              |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |           |
|--------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------|
| Blood Vessel | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | <b>50</b> |
| Heart        | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | <b>50</b> |

### ENDOCRINE SYSTEM

|                    |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |           |
|--------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------|
| Adrenal Cortex     | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | <b>50</b> |
| Adrenal Medulla    | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | <b>50</b> |
| Islets, Pancreatic | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | <b>50</b> |
| Parathyroid Gland  | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | M | + | + | + | + | + | + | <b>43</b> |
| Pituitary Gland    | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | <b>49</b> |
| Thyroid Gland      | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | <b>50</b> |

### GENERAL BODY SYSTEM

NONE

### GENITAL SYSTEM

|                |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |           |
|----------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------|
| Clitoral Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | <b>48</b> |
| Ovary          | + | + | + | + | A | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | <b>47</b> |
| Cystadenoma    |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | X |   |   |   | <b>2</b>  |

\* .. Total animals with tissue examined microscopically; Total animals with tumor  
+ .. Tissue examined microscopically  
X .. Lesion present  
I .. Insufficient tissue

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

Experiment Number: 20320 - 04

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: MICE/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Tetrabromobisphenol A

CAS Number: 79-94-7

Date Report Requested: 01/22/2013

Time Report Requested: 10:11:10

First Dose M/F: 08/07/07 / 08/06/07

Lab: BAT

| B6C3F1 MICE FEMALE            | 1000 mg/kg | DAY ON TEST |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | * TOTALS |   |   |    |   |   |
|-------------------------------|------------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----------|---|---|----|---|---|
|                               |            | 0           | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |          | 0 |   |    |   |   |
|                               |            | 2           | 6 | 5 | 2 | 3 | 5 | 3 | 3 | 3 | 4 | 2 | 4 | 3 | 1 | 4 | 3 | 2 | 7 | 7 | 2 |          | 7 | 2 | 1  | 5 | 7 |
| 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  |   |   |
|                               | 3          | 3           | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3        | 3 | 3 | 3  |   |   |
|                               | 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  |   |   |
|                               | 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  |   |   |
| Uterus                        | +          | +           | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | +        | + | + | 50 |   |   |
| <b>HEMATOPOIETIC SYSTEM</b>   |            |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |          |   |   |    |   |   |
| Bone Marrow                   | +          | +           | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | +        | + | + | 50 |   |   |
| Lymph Node                    |            |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |          |   |   | 1  |   |   |
| Lymph Node, Mandibular        | +          | +           | + | + | M | + | M | + | + | + | + | M | + | + | + | + | + | + | + | + | + | M        | + | + | 46 |   |   |
| Lymph Node, Mesenteric        | +          | +           | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M        | + | + | 47 |   |   |
| Spleen                        | +          | +           | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | +        | + | + | 50 |   |   |
| Thymus                        | +          | +           | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | +        | + | + | 50 |   |   |
| <b>INTEGUMENTARY SYSTEM</b>   |            |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |          |   |   |    |   |   |
| Mammary Gland                 | +          | +           | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | +        | + | + | 50 |   |   |
| Skin                          | +          | +           | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | +        | + | + | 50 |   |   |
| Squamous Cell Papilloma       |            |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | X |   |   |   |          |   | 1 |    |   |   |
| Subcutaneous Tissue, Sarcoma  |            |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |          |   | 1 |    |   |   |
| <b>MUSCULOSKELETAL SYSTEM</b> |            |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |          |   |   |    |   |   |
| Bone                          | +          | +           | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | +        | + | + | 50 |   |   |
| <b>NERVOUS SYSTEM</b>         |            |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |          |   |   |    |   |   |
| Brain                         | +          | +           | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | +        | + | + | 50 |   |   |

\* .. Total animals with tissue examined microscopically; Total animals with tumor  
 + .. Tissue examined microscopically  
 X .. Lesion present  
 I .. Insufficient tissue

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

Experiment Number: 20320 - 04

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: MICE/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Tetrabromobisphenol A

CAS Number: 79-94-7

Date Report Requested: 01/22/2013

Time Report Requested: 10:11:10

First Dose M/F: 08/07/07 / 08/06/07

Lab: BAT

|                           |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |                 |   |   |
|---------------------------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------------|---|---|
| <b>B6C3F1 MICE FEMALE</b> | DAY ON TEST | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0               |   |   |
|                           |             | 2 | 6 | 5 | 2 | 3 | 5 | 3 | 3 | 3 | 4 | 2 | 4 | 3 | 1 | 4 | 3 | 2 | 7 | 7 | 2 | 7 | 2 | 1               | 5 | 7 |
|                           |             | 2 | 5 | 3 | 9 | 0 | 2 | 0 | 6 | 7 | 4 | 5 | 8 | 8 | 2 | 8 | 1 | 3 | 3 | 7 | 3 | 0 | 8 | 4               | 3 | 1 |
| <b>1000 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 |   |
|                           |             | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3               | 4 |   |
|                           |             | 7 | 7 | 7 | 7 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 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> |   |   |

**RESPIRATORY SYSTEM**

|         |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |
|---------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|
| Lung    | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Nose    | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Trachea | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |

**SPECIAL SENSES SYSTEM**

|                         |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |         |
|-------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---------|
| Eye                     | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50      |
| Harderian Gland Adenoma | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | X | + | + | + | + | + | + | 50<br>1 |

**URINARY SYSTEM**

|                           |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |         |
|---------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---------|
| Kidney Lymphoma Malignant | + | + | + | + | A | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | 47<br>1 |
| Urinary Bladder           | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50      |

**SYSTEMIC LESIONS**

|                                   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |         |
|-----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---------|
| Multiple Organ Lymphoma Malignant | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50<br>1 |
|-----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---------|

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

\* .. Total animals with tissue examined microscopically; Total animals with tumor  
+ .. Tissue examined microscopically  
X .. Lesion present  
I .. Insufficient tissue

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