

**Experiment Number:** 05121-08  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P04: NEOPLASMS BY INDIVIDUAL ANIMAL**  
**Test Compound:** Scopolamine hydrobromide trihydrate  
**CAS Number:** 6533-68-2

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 06:26:29  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**C Number:** C03098C  
**Lock Date:** 05/13/1992  
**Cage Range:** All  
**Date Range:** All  
**Reasons For Removal:** All  
**Removal Date Range:** All  
**Treatment Groups:** All  
**Study Gender:** Both  
**PWG Approval Date:** 03/13/1995

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B6C3F1 Mouse Male 0 MG/KG 104/WEEK	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	
	7	7	7	7	7	7	7	7	7	4	7	7	7	7	4	7	7	4	7	4	7	7	7	7	7	4	7	4	7	7
	2	2	2	2	2	2	2	2	2	5	2	2	2	2	5	2	2	5	2	5	2	2	2	2	2	5	2	5	2	2
	2	2	2	2	2	2	2	2	2	6	2	2	2	2	6	2	2	6	2	6	2	2	2	2	2	6	2	6	2	2
ANIMAL ID	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
	2	2	2	2	2	2	2	2	2	3	3	3	3	3	3	3	3	3	3	3	4	4	4	4	4	4	4	4	4	4
	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

**Alimentary System**

Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Gallbladder	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Hepatocellular Adenoma																														
Hepatocellular Carcinoma									X																					
Lymphoma Malignant Lymphocytic																														
Mesentery																														
Pancreas	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Lymphoma Malignant Lymphocytic																														
Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Tongue																														
Tooth		+																												

**Cardiovascular System**

\* ..Total animals with tissue examined microscopically; Total animals with tumor  
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 X ..Lesion present  
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B6C3F1 Mouse Male 0 MG/KG 104/WEEK	DAY ON TEST																																			
	0 7 2 2	0 7 2 2	0 7 2 2	0 7 2 2	0 7 2 2	0 7 2 2	0 7 2 2	0 7 2 2	0 7 2 2	0 7 2 2	0 7 2 2	0 7 2 2	0 7 2 2	0 7 2 2	0 7 2 2	0 7 2 2	0 7 2 2	0 7 2 2	0 7 2 2	0 7 2 2	0 7 2 2	0 7 2 2	0 7 2 2	0 7 2 2	0 7 2 2	0 7 2 2	0 7 2 2	0 7 2 2								
ANIMAL ID	0 0 2 2 1	0 0 2 2 2	0 0 2 2 3	0 0 2 2 4	0 0 2 2 5	0 0 2 2 6	0 0 2 2 7	0 0 2 2 8	0 0 2 2 9	0 0 2 2 0	0 0 2 2 1	0 0 2 2 2	0 0 2 2 3	0 0 2 2 3	0 0 2 2 4	0 0 2 2 5	0 0 2 2 6	0 0 2 2 7	0 0 2 2 8	0 0 2 2 9	0 0 2 2 0	0 0 2 2 1	0 0 2 2 2	0 0 2 2 3	0 0 2 2 4	0 0 2 2 4	0 0 2 2 5	0 0 2 2 6	0 0 2 2 7							
Blood Vessel	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+							
Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+						
<b>Endocrine System</b>																																				
Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+						
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+						
Pheochromocytoma Benign																																				
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+						
Parathyroid Gland	+	M	M	M	+	+	+	+	M	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	M	+	+	M	M	+	+				
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+				
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+				
<b>General Body System</b>																																				
NONE																																				
<b>Genital System</b>																																				
Epididymis	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+				
Preputial Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			
Prostate	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		
Seminal Vesicle	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		
Testes	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		
Interstitial Cell, Adenoma																																				
X																																				
<b>Hematopoietic System</b>																																				
Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+

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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
	7	7	7	7	7	7	7	7	7	4	7	7	7	7	4	7	7	4	7	4	7	7	7	7	7	4	7	4	7	7
ANIMAL ID	2																													
	2																													
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
2	2	2	2	2	2	2	2	2	2	2	3	3	3	3	3	3	3	3	3	3	4	4	4	4	4	4	4	4	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
Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Lymph Node, Mandibular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Lymph Node, Mediastinal																														
Lymphoma Malignant Lymphocytic																														
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Lymphoma Malignant Lymphocytic																														
Spleen	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Hemangiosarcoma																														
Lymphoma Malignant Lymphocytic																														
Thymus	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	M	+	M	M	+	+	+	+	+	+	+	
Lymphoma Malignant Lymphocytic																														
<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
Skin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Subcut Tiss, Sarcoma																														
<b>Musculoskeletal System</b>																														
Bone	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
<b>Nervous System</b>																														
Brain	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
<b>Respiratory System</b>																														
Lung	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+

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DAY ON TEST	ANIMAL ID																														
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
<b>B6C3F1 Mouse Male</b>	7	7	7	7	7	7	7	7	7	4	7	7	7	7	4	7	7	4	7	4	7	7	7	7	7	4	7	4	7	7	
<b>0 MG/KG 104/WEEK</b>	2	2	2	2	2	2	2	2	2	5	2	2	2	2	5	2	2	5	2	5	2	2	2	2	2	5	2	5	2	2	
	2	2	2	2	2	2	2	2	2	6	2	2	2	2	6	2	2	6	2	6	2	2	2	2	2	6	2	6	2	2	
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	
	2	2	2	2	2	2	2	2	2	3	3	3	3	3	3	3	3	3	3	4	4	4	4	4	4	4	4	4	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
Alveolar/Bronchiolar Adenoma				X					X																						
Alveolar/Bronchiolar Carcinoma												X	X																		
Nose	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Trachea	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
<b>Special Senses System</b>																															
Harderian Gland Adenoma	M	M	+	+	M	+	M	+	M	+	M	M	M	+	+	+	+	M	M	M	M	M	M	M	M	M	M	+	+	+	M
				X																											
<b>Urinary System</b>																															
Kidney	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
<b>SYSTEMIC LESIONS</b>																															
Multiple Organ Lymphoma Malignant Lymphocytic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	

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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7	4	7	7	7	7	4	7	7	7	7	7	4	7	7	7	7	7	4	7	7	7	7	7	5
	2	5	2	2	2	2	5	2	2	2	2	2	5	2	2	2	2	2	5	2	2	2	2	2	1
	2	6	2	2	2	2	6	2	2	2	2	6	2	2	2	2	2	6	2	2	2	2	2	2	5
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
	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
	5	5	5	5	5	5	5	5	6	6	6	6	6	6	6	6	6	7	7	7	7	7	7	7	8
	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

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Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Gallbladder	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Hepatocellular Adenoma																	X								
Hepatocellular Carcinoma																									X
Lymphoma Malignant Lymphocytic																									X
Mesentery																									+
Pancreas	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Lymphoma Malignant Lymphocytic																									X
Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
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Lab: BAT

B6C3F1 Mouse Male 0 MG/KG 104/WEEK	DAY ON TEST																											
	0 7 2 2	0 4 5 6	0 7 2 2	0 7 2 2	0 7 2 2	0 7 2 2	0 4 5 6	0 7 2 2	0 7 2 2	0 7 2 2	0 7 2 2	0 7 2 2	0 4 5 6	0 7 2 2	0 7 2 2	0 7 2 2	0 7 2 2	0 4 5 6	0 7 2 2	0 7 2 2	0 7 2 2	0 7 2 2	0 7 2 2	0 7 2 2	0 7 2 2	0 7 2 2	0 7 2 2	0 7 2 2
ANIMAL ID	0 0 2 5 2	0 0 2 5 3	0 0 2 5 4	0 0 2 5 5	0 0 2 5 6	0 0 2 5 7	0 0 2 5 8	0 0 2 5 9	0 0 2 6 0	0 0 2 6 1	0 0 2 6 2	0 0 2 6 3	0 0 2 6 4	0 0 2 6 5	0 0 2 6 6	0 0 2 6 7	0 0 2 6 8	0 0 2 6 9	0 0 2 7 0	0 0 2 7 1	0 0 2 7 2	0 0 2 7 3	0 0 2 7 4	0 0 2 7 5	0 0 2 7 6	0 0 2 7 7	0 0 2 7 8	0 0 2 7 9
Blood Vessel	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
<b>Endocrine System</b>																												
Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Pheochromocytoma Benign					X																							
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Parathyroid Gland	+	+	M	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+
Pituitary Gland	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
<b>General Body System</b>																												
NONE																												
<b>Genital System</b>																												
Epididymis	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Preputial Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Prostate	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Seminal Vesicle	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Testes	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Interstitial Cell, Adenoma							X																					
<b>Hematopoietic System</b>																												
Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+

\* ..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: 05121-08  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: Mouse/B6C3F1

**P04: NEOPLASMS BY INDIVIDUAL ANIMAL**  
 Test Compound: Scopolamine hydrobromide trihydrate  
 CAS Number: 6533-68-2

Date Report Requested: 10/16/2014  
 Time Report Requested: 06:26:31  
 First Dose M/F: NA / NA  
 Lab: BAT

B6C3F1 Mouse Male 0 MG/KG 104/WEEK	DAY ON TEST																														
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
ANIMAL ID	7	4	7	7	7	7	4	7	7	7	7	7	4	7	7	7	7	7	4	7	7	7	7	7	7	7	7	7	5		
	2	5	2	2	2	2	5	2	2	2	2	2	5	2	2	2	2	2	2	5	2	2	2	2	2	2	2	2	1		
	2	6	2	2	2	2	6	2	2	2	2	2	6	2	2	2	2	2	6	2	2	2	2	2	2	2	2	2	5		
Bone Marrow	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Lymph Node, Mandibular	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Lymph Node, Mediastinal	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		
Lymphoma Malignant Lymphocytic	5	5	5	5	5	5	5	5	6	6	6	6	6	6	6	6	6	6	7	7	7	7	7	7	7	7	7	8			
Lymph Node, Mesenteric	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		
Lymphoma Malignant Lymphocytic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		
Spleen	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		
Hemangiosarcoma																															
Lymphoma Malignant Lymphocytic																															
Thymus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+		
Lymphoma Malignant Lymphocytic																															
<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		
Skin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Subcut Tiss, Sarcoma																															
<b>Musculoskeletal System</b>																															
Bone	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
<b>Nervous System</b>																															
Brain	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
<b>Respiratory System</b>																															
Lung	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	

\* ..Total animals with tissue examined microscopically; Total animals with tumor  
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Experiment Number: 05121-08

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Mouse/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL  
Test Compound: Scopolamine hydrobromide trihydrate  
CAS Number: 6533-68-2

Date Report Requested: 10/16/2014

Time Report Requested: 06:26:31

First Dose M/F: NA / NA

Lab: BAT

DAY ON TEST	ANIMAL ID																													
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
<b>B6C3F1 Mouse Male</b>	7	4	7	7	7	7	4	7	7	7	7	7	4	7	7	7	7	7	4	7	7	7	7	7	7	7	7	7	5	
<b>0 MG/KG 104/WEEK</b>	2	5	2	2	2	2	5	2	2	2	2	2	5	2	2	2	2	2	5	2	2	2	2	2	2	2	2	2	1	
	2	6	2	2	2	2	6	2	2	2	2	6	2	2	2	2	2	6	2	2	2	2	2	2	2	2	2	2	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	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	
	5	5	5	5	5	5	5	5	6	6	6	6	6	6	6	6	6	7	7	7	7	7	7	7	7	7	7	8		
	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	
Alveolar/Bronchiolar Adenoma													X	X	X					X	X						X			
Alveolar/Bronchiolar Carcinoma																														
Nose	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Trachea	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
<b>Special Senses System</b>																														
Harderian Gland Adenoma	M	M	+	+	+	+	+	M	M	M	M	M	M	+	M	+	+	+	M	M	+	M	M	+	+	+	M	+	M	
																													X	
<b>Urinary System</b>																														
Kidney	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
<b>SYSTEMIC LESIONS</b>																														
Multiple Organ Lymphoma Malignant Lymphocytic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
																														X

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Experiment Number: 05121-08

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Mouse/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL  
Test Compound: Scopolamine hydrobromide trihydrate  
CAS Number: 6533-68-2

Date Report Requested: 10/16/2014

Time Report Requested: 06:26:31

First Dose M/F: NA / NA

Lab: BAT

DAY ON TEST

**B6C3F1 Mouse Male**  
**0 MG/KG 104/WEEK**

ANIMAL ID

\*TOTALS

**Alimentary System**

Esophagus	60
Gallbladder	60
Intestine Large, Cecum	60
Intestine Large, Colon	60
Intestine Large, Rectum	59
Intestine Small, Duodenum	60
Intestine Small, Ileum	59
Intestine Small, Jejunum	60
Liver	60
Hepatocellular Adenoma	3
Hepatocellular Carcinoma	2
Lymphoma Malignant Lymphocytic	1
Mesentery	1
Pancreas	60
Lymphoma Malignant Lymphocytic	1
Salivary Glands	60
Stomach, Forestomach	60
Stomach, Glandular	60
Tongue	1
Tooth	2

**Cardiovascular System**

Blood Vessel	60
--------------	----

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**Experiment Number:** 05121-08  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P04: NEOPLASMS BY INDIVIDUAL ANIMAL**  
**Test Compound:** Scopolamine hydrobromide trihydrate  
**CAS Number:** 6533-68-2

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 06:26:31  
**First Dose M/F:** NA / NA  
**Lab:** BAT

DAY ON TEST

**B6C3F1 Mouse Male**  
**0 MG/KG 104/WEEK**

ANIMAL ID	*TOTALS
Heart	60
<b>Endocrine System</b>	
Adrenal Cortex	60
Adrenal Medulla	60
Pheochromocytoma Benign	1
Islets, Pancreatic	60
Parathyroid Gland	49
Pituitary Gland	58
Thyroid Gland	60
<b>General Body System</b>	
NONE	
<b>Genital System</b>	
Epididymis	60
Preputial Gland	60
Prostate	60
Seminal Vesicle	60
Testes	60
Interstitial Cell, Adenoma	2
<b>Hematopoietic System</b>	
Bone Marrow	60
Lymph Node, Mandibular	60
Lymph Node, Mediastinal	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:** 05121-08  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P04: NEOPLASMS BY INDIVIDUAL ANIMAL**  
**Test Compound:** Scopolamine hydrobromide trihydrate  
**CAS Number:** 6533-68-2

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 06:26:31  
**First Dose M/F:** NA / NA  
**Lab:** BAT

DAY ON TEST

**B6C3F1 Mouse Male**  
**0 MG/KG 104/WEEK**

ANIMAL ID	*TOTALS
Lymphoma Malignant Lymphocytic	1
Lymph Node, Mesenteric	60
Lymphoma Malignant Lymphocytic	1
Spleen	60
Hemangiosarcoma	1
Lymphoma Malignant Lymphocytic	1
Thymus	55
Lymphoma Malignant Lymphocytic	1
<b>Integumentary System</b>	
Mammary Gland	1
Skin	60
Subcut Tiss, Sarcoma	1
<b>Musculoskeletal System</b>	
Bone	60
<b>Nervous System</b>	
Brain	60
<b>Respiratory System</b>	
Lung	60
Alveolar/Bronchiolar Adenoma	8
Alveolar/Bronchiolar Carcinoma	2
Nose	60
Trachea	60

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 + ..Tissue examined microscopically  
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**Experiment Number:** 05121-08  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P04: NEOPLASMS BY INDIVIDUAL ANIMAL**  
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**Date Report Requested:** 10/16/2014  
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**First Dose M/F:** NA / NA  
**Lab:** BAT

DAY ON TEST

**B6C3F1 Mouse Male**  
**0 MG/KG 104/WEEK**

ANIMAL ID

\*TOTALS

**Special Senses System**

Harderian Gland	26
Adenoma	2

**Urinary System**

Kidney	60
Urinary Bladder	60

**SYSTEMIC LESIONS**

Multiple Organ	60
Lymphoma Malignant Lymphocytic	1

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Experiment Number: 05121-08  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: Mouse/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL  
 Test Compound: Scopolamine hydrobromide trihydrate  
 CAS Number: 6533-68-2

Date Report Requested: 10/16/2014  
 Time Report Requested: 06:26:31  
 First Dose M/F: NA / NA  
 Lab: BAT

B6C3F1 Mouse Male 0 MG/KG 20%/36M	DAY ON TEST																												
	1	1	0	1	0	1	1	1	1	1	1	1	1	0	1	1	1	1	1	0	1	1	0	0	1	0	0	1	1
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
	8	0	7	8	6	8	8	1	8	8	6	8	4	8	2	8	8	6	8	8	8	0	8	8	4	5	8	9	9
	6	2	2	6	2	6	6	6	6	6	5	6	5	6	0	6	6	6	3	6	6	6	8	6	6	1	9	6	6
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	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
	8	8	8	8	8	8	8	8	8	9	9	9	9	9	9	9	9	9	9	0	0	0	0	0	0	0	0	0	0
	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9

Alimentary System

Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Gallbladder	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Hemangiosarcoma																													
Lymphoma Malignant Lymphocytic																													
Lymphoma Malignant Mixed				X																									
Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Hemangiosarcoma																													
Hepatocellular Adenoma					X						X																		
Hepatocellular Carcinoma									X																			X	X
Histiocytic Sarcoma																													
Lymphoma Malignant Lymphocytic																													
Lymphoma Malignant Mixed			X	X																									
Lymphoma Malignant Undifferentiated Cell																													
Type																													
Mesentery																													

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 Route: GAVAGE  
 Species/Strain: Mouse/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL  
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 CAS Number: 6533-68-2

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 First Dose M/F: NA / NA  
 Lab: BAT

DAY ON TEST	ANIMAL ID																													
	1	1	0	1	0	1	1	1	1	1	1	1	1	0	1	1	1	1	1	0	1	1	0	0	1	0	0	1	1	
<b>B6C3F1 Mouse Male</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	
<b>0 MG/KG 20%/36M</b>	8	0	7	8	6	8	8	1	8	8	6	8	4	8	2	8	8	6	8	8	8	0	8	8	4	5	8	9	8	
	6	2	2	6	2	6	6	6	6	6	5	6	5	6	0	6	6	3	6	6	6	8	6	6	1	9	6	9	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	
	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	
	8	8	8	8	8	8	8	8	8	8	9	9	9	9	9	9	9	9	9	9	0	0	0	0	0	0	0	0	0	
	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	
Lymphoma Malignant Lymphocytic																														
Pancreas	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Lymphoma Malignant Lymphocytic																														
Lymphoma Malignant Undifferentiated Cell																														
Type																														
Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Squamous Cell Papilloma																														
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Carcinoma																														
Tooth																														
<b>Cardiovascular System</b>																														
Blood Vessel	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Carcinoma, Metastatic, Lung																														
<b>Endocrine System</b>																														
Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Adenoma																														
Parathyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	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: 05121-08  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: Mouse/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL  
 Test Compound: Scopolamine hydrobromide trihydrate  
 CAS Number: 6533-68-2

Date Report Requested: 10/16/2014  
 Time Report Requested: 06:26:32  
 First Dose M/F: NA / NA  
 Lab: BAT

B6C3F1 Mouse Male 0 MG/KG 20%/36M	DAY ON TEST																																
	1	1	0	1	0	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	0	1	1	0	0	1	0	0	1	0	0	1	1
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
	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	
	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		
	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		
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		
Follicular Cel, Adenoma											X																						
<b>General Body System</b>																																	
NONE																																	
<b>Genital System</b>																																	
Epididymis	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		
Lymphoma Malignant Lymphocytic											X																						
Preputial Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		
Prostate	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		
Adenoma																																	
Lymphoma Malignant Lymphocytic											X																						
Seminal Vesicle	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		
Lymphoma Malignant Lymphocytic											X																						
Testes	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		
<b>Hematopoietic System</b>																																	
Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		
Hemangiosarcoma, Metastatic, Spleen																																	
Histiocytic Sarcoma																																	
Lymphoma Malignant Undifferentiated Cell																																	
Type																																	
Lymph Node	+																																

\* ..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: 05121-08  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: Mouse/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL  
 Test Compound: Scopolamine hydrobromide trihydrate  
 CAS Number: 6533-68-2

Date Report Requested: 10/16/2014  
 Time Report Requested: 06:26:32  
 First Dose M/F: NA / NA  
 Lab: BAT

B6C3F1 Mouse Male 0 MG/KG 20%/36M	DAY ON TEST																												
	1	1	0	1	0	1	1	1	1	1	1	1	1	0	1	1	1	1	1	0	1	1	0	0	1	0	0	1	1
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
	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
	8	8	8	8	8	8	8	8	8	9	9	9	9	9	9	9	9	9	9	9	0	0	0	0	0	0	0	0	0
	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9

Hepatocellular Carcinoma, Metastatic, Liver																																
Lymphoma Malignant Lymphocytic																																
Lymphoma Malignant Mixed	X																															
Lymphoma Malignant Undifferentiated Cell Type													X																			
Renal, Lymphoma Malignant Lymphocytic																													X			
Lymph Node, Mandibular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	M	+	+		
Lymphoma Malignant Lymphocytic												X	X																			
Lymphoma Malignant Mixed		X																														
Lymph Node, Mediastinal		+	+									+	+																			
Carcinoma, Metastatic, Lung																																
Lymphoma Malignant Lymphocytic												X																				
Lymphoma Malignant Mixed			X	X																												
Lymphoma Malignant Undifferentiated Cell Type													X																			
Lymph Node, Mesenteric		+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Lymphoma Malignant Lymphocytic												X																	X			
Lymphoma Malignant Mixed	X	X	X	X																												
Lymphoma Malignant Undifferentiated Cell Type												X																				
Spleen		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Hemangioma																		X														
Hemangiosarcoma																											X					
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: 05121-08

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Mouse/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL  
Test Compound: Scopolamine hydrobromide trihydrate  
CAS Number: 6533-68-2

Date Report Requested: 10/16/2014

Time Report Requested: 06:26:32

First Dose M/F: NA / NA

Lab: BAT

B6C3F1 Mouse Male 0 MG/KG 20%/36M	DAY ON TEST																												
	1	1	0	1	0	1	1	1	1	1	1	1	1	0	1	1	1	1	1	0	1	1	0	0	1	0	0	1	1
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
	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
	8	8	8	8	8	8	8	8	8	9	9	9	9	9	9	9	9	9	9	0	0	0	0	0	0	0	0	0	0
	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9
Lymphoma Malignant Lymphocytic																													
Lymphoma Malignant Mixed			X	X																									
Lymphoma Malignant Undifferentiated Cell Type																													
Thymus	+	M	M	+	+	+	+	+	+	M	+	+	M	+	M	M	M	+	M	M	+	+	+	+	M	+	+	+	+
Lymphoma Malignant Lymphocytic																													
Integumentary System																													
Mammary Gland	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M
Skin	+	M	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Subcut Tiss, Lymphoma Malignant Lymphocytic																													
Musculoskeletal System																													
Bone	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Nervous System																													
Brain	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Carcinoma, Metastatic, Lung																													
Peripheral Nerve																													
Spinal Cord																													
Respiratory System																													
Lung	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Alveolar/Bronchiolar 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: 05121-08

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Mouse/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
Test Compound: Scopolamine hydrobromide trihydrate
CAS Number: 6533-68-2

Date Report Requested: 10/16/2014

Time Report Requested: 06:26:33

First Dose M/F: NA / NA

Lab: BAT

Table with columns for DAY ON TEST (1-36) and ANIMAL ID (0-36). Rows include B6C3F1 Mouse Male 0 MG/KG 20%/36M, and various organ systems like Alveolar/Bronchiolar Adenoma, Special Senses System, and Urinary 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: 05121-08

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Mouse/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Test Compound: Scopolamine hydrobromide trihydrate

CAS Number: 6533-68-2

Date Report Requested: 10/16/2014

Time Report Requested: 06:26:33

First Dose M/F: NA / NA

Lab: BAT

<b>B6C3F1 Mouse Male</b> <b>0 MG/KG 20%/36M</b>	DAY ON TEST	1	1	0	1	0	1	1	1	1	1	1	1	0	1	1	1	1	1	0	1	1	0	0	1	0	0	1	1			
		0	0	9	0	7	0	0	0	0	0	0	0	0	6	0	0	0	0	0	1	0	0	9	8	0	7	8	0	0		
		8	0	7	8	6	8	8	1	8	8	6	8	4	8	2	8	8	6	8	8	8	0	8	8	4	5	8	9	9	8	8
		6	2	2	6	2	6	6	6	6	6	5	6	5	6	6	6	3	6	6	6	8	6	6	1	9	6	9	8	6	6	
	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		
		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		
		8	8	8	8	8	8	8	8	8	9	9	9	9	9	9	9	9	9	9	0	0	0	0	0	0	0	0	1	1		
		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	

SYSTEMIC LESIONS

Multiple Organ	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Histiocytic Sarcoma																																		
Lymphoma Malignant Lymphocytic												X	X																					
Lymphoma Malignant Mixed	X	X	X	X																														
Lymphoma Malignant Undifferentiated Cell Type													X																					

\* ..Total animals with tissue examined microscopically; Total animals with tumor  
 + ..Tissue examined microscopically  
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 I ..Insufficient tissue  
 M ..Missing tissue  
 A ..Autolysis precludes evaluation  
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Experiment Number: 05121-08  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: Mouse/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL  
 Test Compound: Scopolamine hydrobromide trihydrate  
 CAS Number: 6533-68-2

Date Report Requested: 10/16/2014  
 Time Report Requested: 06:26:33  
 First Dose M/F: NA / NA  
 Lab: BAT

B6C3F1 Mouse Male 0 MG/KG 20%/36M	DAY ON TEST																		*TOTALS
	0	0	1	0	1	0	1	1	0	1	1	1	1	1	1	1	1	1	
	9	9	0	7	0	9	0	0	8	0	0	0	0	0	0	0	0	0	
	8	3	1	8	5	7	8	8	6	8	8	8	1	2	8	8	8	8	
	7	6	9	4	0	4	6	6	6	6	6	6	0	6	6	6	6	6	
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	
	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	
	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	3	
	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	

**Alimentary System**

Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Gallbladder	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Hemangiosarcoma																X			2
Lymphoma Malignant Lymphocytic				X															2
Lymphoma Malignant Mixed						X													2
Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Hemangiosarcoma																			1
Hepatocellular Adenoma		X				X											X		7
Hepatocellular Carcinoma		X		X										X					7
Histiocytic Sarcoma			X									X							2
Lymphoma Malignant Lymphocytic																			2
Lymphoma Malignant Mixed						X													3
Lymphoma Malignant Undifferentiated Cell																			1
Mesentery				+											+				5

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

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

Experiment Number: 05121-08  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: Mouse/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL  
 Test Compound: Scopolamine hydrobromide trihydrate  
 CAS Number: 6533-68-2

Date Report Requested: 10/16/2014  
 Time Report Requested: 06:26:33  
 First Dose M/F: NA / NA  
 Lab: BAT

B6C3F1 Mouse Male 0 MG/KG 20%/36M	DAY ON TEST																		*TOTALS
	0	0	1	0	1	0	1	1	0	1	1	1	1	1	1	1	1	1	
ANIMAL ID	9	9	0	7	0	9	0	0	8	0	0	0	0	0	0	0	0	0	0
	8	3	1	8	5	7	8	8	6	8	8	8	1	2	8	8	8	8	8
	7	6	9	4	0	4	6	6	6	6	6	6	0	6	6	6	6	6	6
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	3
	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0
Lymphoma Malignant Lymphocytic				X															1
Pancreas	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Lymphoma Malignant Lymphocytic				X															1
Lymphoma Malignant Undifferentiated Cell Type																			1
Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Squamous Cell Papilloma																		X	1
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Carcinoma														X					1
Tooth											+						+		3
<b>Cardiovascular System</b>																			
Blood Vessel	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Carcinoma, Metastatic, Lung			X																1
<b>Endocrine System</b>																			
Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Adenoma																			1
Parathyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	47

\* ..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: 05121-08  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: Mouse/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL  
 Test Compound: Scopolamine hydrobromide trihydrate  
 CAS Number: 6533-68-2

Date Report Requested: 10/16/2014  
 Time Report Requested: 06:26:34  
 First Dose M/F: NA / NA  
 Lab: BAT

B6C3F1 Mouse Male 0 MG/KG 20%/36M	DAY ON TEST																		*TOTALS
	0	0	1	0	1	0	1	1	0	1	1	1	1	1	1	1	1	1	
ANIMAL ID	9	9	0	7	0	9	0	0	8	0	0	0	0	0	0	0	0	0	
	8	3	1	8	5	7	8	8	6	8	8	8	1	2	8	8	8	8	
	7	6	9	4	0	4	6	6	6	6	6	6	0	6	6	6	6	6	
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	
	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	3	
	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Follicular Cel, Adenoma																			1
<b>General Body System</b>																			
NONE																			
<b>Genital System</b>																			
Epididymis	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Lymphoma Malignant Lymphocytic																			2
Preputial Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Prostate	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Adenoma																			1
Lymphoma Malignant Lymphocytic																			1
Seminal Vesicle	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Lymphoma Malignant Lymphocytic																			1
Testes	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
<b>Hematopoietic System</b>																			
Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Hemangiosarcoma, Metastatic, Spleen																			1
Histiocytic Sarcoma																			1
Lymphoma Malignant Undifferentiated Cell Type																			1
Lymph Node																			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: 05121-08  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: Mouse/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL  
 Test Compound: Scopolamine hydrobromide trihydrate  
 CAS Number: 6533-68-2

Date Report Requested: 10/16/2014  
 Time Report Requested: 06:26:34  
 First Dose M/F: NA / NA  
 Lab: BAT

B6C3F1 Mouse Male 0 MG/KG 20%/36M	DAY ON TEST																		*TOTALS
	0	0	1	0	1	0	1	1	0	1	1	1	1	1	1	1	1	1	
ANIMAL ID	9	9	0	7	0	9	0	0	8	0	0	0	0	0	0	0	0		
	8	3	1	8	5	7	8	8	6	8	8	1	2	8	8	8	8		
	7	6	9	4	0	4	6	6	6	6	6	6	0	6	6	6	6		
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3		
	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2		
	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8		
Hepatocellular Carcinoma, Metastatic, Liver				X														1	
Lymphoma Malignant Lymphocytic				X														1	
Lymphoma Malignant Mixed																		1	
Lymphoma Malignant Undifferentiated Cell Type																		1	
Renal, Lymphoma Malignant Lymphocytic																		1	
Lymph Node, Mandibular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48	
Lymphoma Malignant Lymphocytic																		2	
Lymphoma Malignant Mixed																		1	
Lymph Node, Mediastinal				+		+	+											7	
Carcinoma, Metastatic, Lung								X										1	
Lymphoma Malignant Lymphocytic				X														2	
Lymphoma Malignant Mixed								X										3	
Lymphoma Malignant Undifferentiated Cell Type																		1	
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49	
Lymphoma Malignant Lymphocytic																		2	
Lymphoma Malignant Mixed								X										5	
Lymphoma Malignant Undifferentiated Cell Type																		1	
Spleen	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Hemangioma																		1	
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: 05121-08  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: Mouse/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL  
 Test Compound: Scopolamine hydrobromide trihydrate  
 CAS Number: 6533-68-2

Date Report Requested: 10/16/2014  
 Time Report Requested: 06:26:34  
 First Dose M/F: NA / NA  
 Lab: BAT

B6C3F1 Mouse Male 0 MG/KG 20%/36M	DAY ON TEST																		*TOTALS
	0	0	1	0	1	0	1	1	0	1	1	1	1	1	1	1	1	1	
ANIMAL ID	9	9	0	7	0	9	0	0	8	0	0	0	0	0	0	0	0	0	0
	8	3	1	8	5	7	8	8	6	8	8	8	1	2	8	8	8	8	8
	7	6	9	4	0	4	6	6	6	6	6	6	0	6	6	6	6	6	6
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	3
	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0
Lymphoma Malignant Lymphocytic				X															2
Lymphoma Malignant Mixed						X													3
Lymphoma Malignant Undifferentiated Cell Type																			1
Thymus	+	+	+	M	M	M	+	+	+	M	+	+	M	M	+	+	+	+	34
Lymphoma Malignant Lymphocytic																			2
<b>Integumentary System</b>																			
Mammary Gland	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	0
Skin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48
Subcut Tiss, Lymphoma Malignant Lymphocytic				X															2
<b>Musculoskeletal System</b>																			
Bone	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
<b>Nervous System</b>																			
Brain	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Carcinoma, Metastatic, Lung	X																		1
Peripheral Nerve					+														1
Spinal Cord					+														1
<b>Respiratory System</b>																			
Lung	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Alveolar/Bronchiolar Adenoma			X		X	X								X					7

\* ..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: 05121-08

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Mouse/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
Test Compound: Scopolamine hydrobromide trihydrate
CAS Number: 6533-68-2

Date Report Requested: 10/16/2014

Time Report Requested: 06:26:34

First Dose M/F: NA / NA

Lab: BAT

Table with columns for DAY ON TEST (0-19), ANIMAL ID (0-19), and \*TOTALS. Rows include B6C3F1 Mouse Male 0 MG/KG 20%/36M, Alveolar/Bronchiolar Adenoma, Multiple, Alveolar/Bronchiolar Carcinoma, Carcinoma, Metastatic, Harderian Gland, Hepatocellular Carcinoma, Metastatic, Liver, Lymphoma Malignant Lymphocytic, Mediastinum, Lymphoma Malignant Lymphocytic, Nose, Trachea, Special Senses System (Ear, Histiocytic Sarcoma, Eye, Harderian Gland Adenoma, Carcinoma), and Urinary System (Kidney, Carcinoma, Metastatic, Lung, Lymphoma Malignant Lymphocytic, Lymphoma Malignant Mixed, Urinary Bladder).

\* ..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: 05121-08  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: Mouse/B6C3F1

**P04: NEOPLASMS BY INDIVIDUAL ANIMAL**  
 Test Compound: Scopolamine hydrobromide trihydrate  
 CAS Number: 6533-68-2

Date Report Requested: 10/16/2014  
 Time Report Requested: 06:26:34  
 First Dose M/F: NA / NA  
 Lab: BAT

**B6C3F1 Mouse Male**  
**0 MG/KG 20%/36M**

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

**SYSTEMIC LESIONS**

Multiple Organ	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Histiocytic Sarcoma			X										X							3
Lymphoma Malignant Lymphocytic				X																5
Lymphoma Malignant Mixed						X														5
Lymphoma Malignant Undifferentiated Cell Type																				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: 05121-08  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: Mouse/B6C3F1

**P04: NEOPLASMS BY INDIVIDUAL ANIMAL**  
 Test Compound: Scopolamine hydrobromide trihydrate  
 CAS Number: 6533-68-2

Date Report Requested: 10/16/2014  
 Time Report Requested: 06:26:34  
 First Dose M/F: NA / NA  
 Lab: BAT

B6C3F1 Mouse Male 25 MG/KG104/WEEK	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			
	7	7	7	7	7	7	7	7	4	7	7	7	7	4	7	7	4	7	4	7	7	7	7	4	4	7	7	7			
	2	2	2	2	2	2	2	2	5	2	2	2	2	5	2	2	5	2	5	2	2	2	2	5	5	2	2	2			
	2	2	2	2	2	2	2	6	2	2	2	2	6	2	2	6	2	2	6	2	2	2	2	6	6	2	2	2			
ANIMAL ID	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3			
	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3			
	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

**Alimentary System**

Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Gallbladder	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Intestine Large, Rectum	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Hepatocellular Carcinoma, Multiple																																X
Lymphoma Malignant Lymphocytic																																
Pancreas	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Squamous Cell Papilloma					X									X																		
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+

**Cardiovascular System**

Blood Vessel	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		
Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Lymphoma Malignant Lymphocytic																																	

\* ..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: 05121-08

P04: NEOPLASMS BY INDIVIDUAL ANIMAL  
Test Compound: Scopolamine hydrobromide trihydrate  
CAS Number: 6533-68-2

Date Report Requested: 10/16/2014

Test Type: CHRONIC

Time Report Requested: 06:26:35

Route: GAVAGE

First Dose M/F: NA / NA

Species/Strain: Mouse/B6C3F1

Lab: BAT

B6C3F1 Mouse Male 25 MG/KG104/WEEK	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
	7	7	7	7	7	7	7	7	4	7	7	7	7	4	7	7	4	7	4	7	7	7	7	4	4	7	7	7	7
	2	2	2	2	2	2	2	2	5	2	2	2	2	5	2	2	5	2	5	2	2	2	2	5	5	2	2	2	2
	2	2	2	2	2	2	2	2	6	2	2	2	2	6	2	2	6	2	6	2	2	2	2	6	6	2	2	2	2
ANIMAL ID	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
	3	3	3	3	3	3	3	3	3	3	4	4	4	4	4	4	4	4	4	4	4	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

Endocrine System

Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		
Adrenal Medulla	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		
Parathyroid Gland	+	+	M	+	+	+	+	+	+	M	+	+	+	+	+	M	+	M	+	+	+	+	+	+	+	+	+	+	+		
Pituitary Gland	M	+	+	+	+	M	M	M	+	+	M	+	+	+	+	M	M	+	+	M	+	+	M	M	M	+	M	+	+	M	+
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Follicular Cel, Adenoma		X								X																					

General Body System

NONE

Genital System

Epididymis	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Preputial Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Prostate	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Seminal Vesicle	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Testes	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+

Hematopoietic System

Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Lymph Node, Bronchial																														
Lymph Node, Mandibular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	+	+	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: 05121-08

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Mouse/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL  
Test Compound: Scopolamine hydrobromide trihydrate  
CAS Number: 6533-68-2

Date Report Requested: 10/16/2014

Time Report Requested: 06:26:35

First Dose M/F: NA / NA

Lab: BAT

B6C3F1 Mouse Male 25 MG/KG104/WEEK	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							
	7	7	7	7	7	7	7	7	4	7	7	7	7	4	7	4	7	4	7	7	7	7	4	4	7	7	7	7	7							
ANIMAL ID	2	2	2	2	2	2	2	2	5	2	2	2	2	5	2	2	5	2	5	2	2	2	2	5	5	2	2	2	2							
	2	2	2	2	2	2	2	2	6	2	2	2	2	6	2	2	6	2	2	2	2	2	2	6	6	2	2	2	2							
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0						
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0						
	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3						
	3	3	3	3	3	3	3	3	3	4	4	4	4	4	4	4	4	4	4	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					
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+					
Spleen	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+				
Lymphoma Malignant Lymphocytic																																				
Thymus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+					
Lymphoma Malignant Lymphocytic																																				
<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				
Skin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			
<b>Musculoskeletal System</b>																																				
Bone	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			
<b>Nervous System</b>																																				
Brain	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		
<b>Respiratory System</b>																																				
Lung	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		
Alveolar/Bronchiolar Adenoma		X							X			X				X			X																	
Hepatocellular Carcinoma, Metastatic, Liver																																				
Lymphoma Malignant Lymphocytic																																				
Nose	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		
Trachea	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
<b>Special Senses System</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: 05121-08  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: Mouse/B6C3F1

**P04: NEOPLASMS BY INDIVIDUAL ANIMAL**  
 Test Compound: Scopolamine hydrobromide trihydrate  
 CAS Number: 6533-68-2

Date Report Requested: 10/16/2014  
 Time Report Requested: 06:26:35  
 First Dose M/F: NA / NA  
 Lab: BAT

B6C3F1 Mouse Male 25 MG/KG104/WEEK	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			
	7	7	7	7	7	7	7	7	4	7	7	7	7	4	7	7	4	7	4	7	7	7	7	4	4	7	7	7	7			
ANIMAL ID	2	2	2	2	2	2	2	2	5	2	2	2	2	5	2	2	5	2	5	2	2	2	2	5	5	2	2	2	2			
	2	2	2	2	2	2	2	2	6	2	2	2	2	6	2	2	6	2	6	2	2	2	2	6	6	2	2	2	2			
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3		
	3	3	3	3	3	3	3	3	3	4	4	4	4	4	4	4	4	4	4	4	4	4	4	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		
Harderian Gland	+	M	+	M	M	M	+	+	M	M	+	+	+	M	M	+	M	+	M	+	M	M	+	M	+	M	+	M	M	M	+	
<b>Urinary System</b>																																
Kidney	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Lymphoma Malignant Lymphocytic																																
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
<b>SYSTEMIC LESIONS</b>																																
Multiple Organ	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Lymphoma Malignant Lymphocytic																																

\* ..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: 05121-08  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: Mouse/B6C3F1

**P04: NEOPLASMS BY INDIVIDUAL ANIMAL**  
 Test Compound: Scopolamine hydrobromide trihydrate  
 CAS Number: 6533-68-2

Date Report Requested: 10/16/2014  
 Time Report Requested: 06:26:35  
 First Dose M/F: NA / NA  
 Lab: BAT

DAY ON TEST	ANIMAL ID																												
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>B6C3F1 Mouse Male</b>	7	7	7	7	7	4	7	7	7	7	7	7	7	7	0	7	7	4	7	7	4	7	7	5	7	7	4	7	7
<b>25 MG/KG104/WEEK</b>	2	2	2	2	2	5	2	2	2	2	2	2	2	2	6	2	2	5	2	2	5	2	2	0	2	2	5	2	2
	2	2	2	2	2	6	2	2	2	2	2	2	2	2	3	2	2	6	2	2	6	2	2	2	2	2	2	2	2
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	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
	6	6	6	6	6	6	6	6	6	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
	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

**Alimentary System**

Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Gallbladder	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Small, Duodenum	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Hepatocellular Carcinoma, Multiple																													
Lymphoma Malignant Lymphocytic																													X
Pancreas	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Squamous Cell Papilloma																													
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+

**Cardiovascular System**

Blood Vessel	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Lymphoma Malignant Lymphocytic																													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: 05121-08  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: Mouse/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL  
 Test Compound: Scopolamine hydrobromide trihydrate  
 CAS Number: 6533-68-2

Date Report Requested: 10/16/2014  
 Time Report Requested: 06:26:35  
 First Dose M/F: NA / NA  
 Lab: BAT

B6C3F1 Mouse Male 25 MG/KG104/WEEK	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	
	7	7	7	7	7	4	7	7	7	7	7	7	7	0	7	7	4	7	7	4	7	7	5	7	7	4	7	7	
	2	2	2	2	2	5	2	2	2	2	2	2	2	6	2	2	5	2	2	5	2	2	0	2	2	5	2	2	
	2	2	2	2	2	6	2	2	2	2	2	2	2	3	2	2	6	2	2	6	2	2	2	2	2	6	2	2	
ANIMAL ID	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	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	
	6	6	6	6	6	6	6	6	6	7	7	7	7	7	7	7	7	7	8	8	8	8	8	8	8	8	8	8	
	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

**Endocrine System**

Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+
Parathyroid Gland	+	+	+	+	+	+	+	+	+	+	M	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Pituitary Gland	M	+	+	M	+	+	+	+	+	M	M	M	M	+	M	+	+	+	+	+	+	M	+	+	+	+	+	+	M
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Follicular Cel, Adenoma																													

**General Body System**

NONE

**Genital System**

Epididymis	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Preputial Gland	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Prostate	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Seminal Vesicle	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Testes	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+

**Hematopoietic System**

Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Lymph Node, Bronchial	+				+						+																		
Lymph Node, Mandibular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+

\* ..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: 05121-08  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: Mouse/B6C3F1

**P04: NEOPLASMS BY INDIVIDUAL ANIMAL**  
 Test Compound: Scopolamine hydrobromide trihydrate  
 CAS Number: 6533-68-2

Date Report Requested: 10/16/2014  
 Time Report Requested: 06:26:36  
 First Dose M/F: NA / NA  
 Lab: BAT

B6C3F1 Mouse Male 25 MG/KG104/WEEK	DAY ON TEST	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	ANIMAL ID	7	7	7	7	7	4	7	7	7	7	7	7	7	0	7	7	4	7	7	4	7	7	5	7	7	4	7	7
		2	2	2	2	2	5	2	2	2	2	2	2	2	6	2	2	5	2	2	5	2	2	0	2	2	5	2	2
		2	2	2	2	2	6	2	2	2	2	2	2	2	3	2	2	6	2	2	6	2	2	2	2	2	2	2	2
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	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
		6	6	6	6	6	6	6	6	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
		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
Lymph Node, Mesenteric		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Spleen		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Lymphoma Malignant Lymphocytic																													
Thymus		+	+	+	+	+	+	M	+	+	+	+	+	M	M	+	+	+	+	+	+	+	+	+	+	+	+	+	
Lymphoma Malignant Lymphocytic																													
<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
Skin		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
<b>Musculoskeletal System</b>																													
Bone		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
<b>Nervous System</b>																													
Brain		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
<b>Respiratory System</b>																													
Lung		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Alveolar/Bronchiolar Adenoma							X																						
Hepatocellular Carcinoma, Metastatic, Liver																													
Lymphoma Malignant Lymphocytic																													
Nose		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Trachea		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
<b>Special Senses System</b>																													

\* ..Total animals with tissue examined microscopically; Total animals with tumor  
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Experiment Number: 05121-08

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Mouse/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL  
Test Compound: Scopolamine hydrobromide trihydrate  
CAS Number: 6533-68-2

Date Report Requested: 10/16/2014

Time Report Requested: 06:26:36

First Dose M/F: NA / NA

Lab: BAT

B6C3F1 Mouse Male 25 MG/KG104/WEEK	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
	7	7	7	7	7	4	7	7	7	7	7	7	7	7	0	7	7	4	7	7	4	7	7	5	7	7	4	7
	2	2	2	2	2	5	2	2	2	2	2	2	2	2	6	2	2	5	2	2	5	2	2	2	2	2	2	2
	2	2	2	2	2	6	2	2	2	2	2	2	2	2	3	2	2	6	2	2	6	2	2	2	2	2	2	2
ANIMAL ID	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	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
	6	6	6	6	6	6	6	6	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
	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
Harderian Gland	+	+	+	M	M	M	+	+	M	+	M	M	M	+	M	M	+	+	M	M	+	+	M	M	+	M	M	M
<b>Urinary System</b>																												
Kidney	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Lymphoma Malignant Lymphocytic																												X
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+
<b>SYSTEMIC LESIONS</b>																												
Multiple Organ	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Lymphoma Malignant Lymphocytic																												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: 05121-08  
Test Type: CHRONIC  
Route: GAVAGE  
Species/Strain: Mouse/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL  
Test Compound: Scopolamine hydrobromide trihydrate  
CAS Number: 6533-68-2

Date Report Requested: 10/16/2014  
Time Report Requested: 06:26:36  
First Dose M/F: NA / NA  
Lab: BAT

DAY ON TEST

**B6C3F1 Mouse Male**  
**25 MG/KG104/WEEK**

ANIMAL ID

\*TOTALS

**Alimentary System**

Esophagus	60
Gallbladder	58
Intestine Large, Cecum	59
Intestine Large, Colon	60
Intestine Large, Rectum	59
Intestine Small, Duodenum	59
Intestine Small, Ileum	60
Intestine Small, Jejunum	60
Liver	60
Hepatocellular Carcinoma, Multiple	1
Lymphoma Malignant Lymphocytic	1
Pancreas	60
Salivary Glands	60
Stomach, Forestomach	60
Squamous Cell Papilloma	2
Stomach, Glandular	60

**Cardiovascular System**

Blood Vessel	60
Heart	60
Lymphoma Malignant Lymphocytic	1

**Endocrine 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: 05121-08

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Mouse/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL  
Test Compound: Scopolamine hydrobromide trihydrate  
CAS Number: 6533-68-2

Date Report Requested: 10/16/2014

Time Report Requested: 06:26:36

First Dose M/F: NA / NA

Lab: BAT

DAY ON TEST

**B6C3F1 Mouse Male**  
**25 MG/KG104/WEEK**

ANIMAL ID	*TOTALS
Adrenal Cortex	60
Adrenal Medulla	59
Islets, Pancreatic	59
Parathyroid Gland	54
Pituitary Gland	38
Thyroid Gland	60
Follicular Cel, Adenoma	2
<b>General Body System</b>	
NONE	
<b>Genital System</b>	
Epididymis	60
Preputial Gland	59
Prostate	60
Seminal Vesicle	60
Testes	60
<b>Hematopoietic System</b>	
Bone Marrow	60
Lymph Node, Bronchial	3
Lymph Node, Mandibular	59
Lymph Node, Mesenteric	59
Spleen	60
Lymphoma Malignant Lymphocytic	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: 05121-08

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Mouse/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL  
Test Compound: Scopolamine hydrobromide trihydrate  
CAS Number: 6533-68-2

Date Report Requested: 10/16/2014

Time Report Requested: 06:26:36

First Dose M/F: NA / NA

Lab: BAT

DAY ON TEST

**B6C3F1 Mouse Male**  
**25 MG/KG104/WEEK**

ANIMAL ID

\*TOTALS

Thymus	55
Lymphoma Malignant Lymphocytic	1
<b>Integumentary System</b>	
Mammary Gland	0
Skin	60
<b>Musculoskeletal System</b>	
Bone	60
<b>Nervous System</b>	
Brain	60
<b>Respiratory System</b>	
Lung	60
Alveolar/Bronchiolar Adenoma	7
Hepatocellular Carcinoma, Metastatic, Liver	1
Lymphoma Malignant Lymphocytic	1
Nose	60
Trachea	60
<b>Special Senses System</b>	
Harderian Gland	26
<b>Urinary System</b>	
Kidney	60
Lymphoma Malignant Lymphocytic	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:** 05121-08  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P04: NEOPLASMS BY INDIVIDUAL ANIMAL**  
**Test Compound:** Scopolamine hydrobromide trihydrate  
**CAS Number:** 6533-68-2

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 06:26:36  
**First Dose M/F:** NA / NA  
**Lab:** BAT

DAY ON TEST

**B6C3F1 Mouse Male**  
**25 MG/KG104/WEEK**

ANIMAL ID

\*TOTALS

Urinary Bladder	59
<b>SYSTEMIC LESIONS</b>	
Multiple Organ	60
Lymphoma Malignant Lymphocytic	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: 05121-08

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Mouse/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
Test Compound: Scopolamine hydrobromide trihydrate
CAS Number: 6533-68-2

Date Report Requested: 10/16/2014

Time Report Requested: 06:26:36

First Dose M/F: NA / NA

Lab: BAT

Table with columns: DAY ON TEST, ANIMAL ID, and 30 columns of numerical data. Includes group labels: B6C3F1 Mouse Male, 25 MG/KG20%/36M.

Alimentary System

Table showing Alimentary System findings for various organs (Esophagus, Gallbladder, Intestine Large, etc.) with symbols (+, X, M) indicating results.

\* ..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: 05121-08  
Test Type: CHRONIC  
Route: GAVAGE  
Species/Strain: Mouse/B6C3F1

**P04: NEOPLASMS BY INDIVIDUAL ANIMAL**  
Test Compound: Scopolamine hydrobromide trihydrate  
CAS Number: 6533-68-2

Date Report Requested: 10/16/2014  
Time Report Requested: 06:26:36  
First Dose M/F: NA / NA  
Lab: BAT

B6C3F1 Mouse Male 25 MG/KG20%/36M	DAY ON TEST																													
	1	1	1	0	1	1	0	0	1	1	1	1	1	1	0	1	0	0	1	1	1	1	1	1	1	1	0	0		
	0	0	0	2	0	0	9	7	0	0	0	0	0	0	9	0	9	8	0	0	0	0	0	0	0	0	0	0	8	9
	8	3	8	1	8	8	5	8	8	8	8	8	8	3	8	3	1	8	8	8	8	8	8	8	8	8	8	2	8	9
	6	6	6	4	6	6	3	4	6	6	6	6	6	3	6	1	9	6	6	6	6	6	6	6	6	6	6	6	6	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
	3	3	3	3	3	3	3	3	3	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
	9	9	9	9	9	9	9	9	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	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
Mesentery														+																
Pancreas	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Lymphoma Malignant Mixed			X																											
Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Lymphoma Malignant Mixed																														
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Squamous Cell Papilloma																							X							
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Carcinoma																														
Tongue																														+
Tooth										+	+	+			+							+								
<b>Cardiovascular System</b>																														
Blood Vessel	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
<b>Endocrine System</b>																														
Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Capsule, Adenoma																								X						
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Adenoma																														
Parathyroid Gland	+	+	+	M	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	+	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: 05121-08  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: Mouse/B6C3F1

**P04: NEOPLASMS BY INDIVIDUAL ANIMAL**  
 Test Compound: Scopolamine hydrobromide trihydrate  
 CAS Number: 6533-68-2

Date Report Requested: 10/16/2014  
 Time Report Requested: 06:26:37  
 First Dose M/F: NA / NA  
 Lab: BAT

B6C3F1 Mouse Male 25 MG/KG20%/36M	DAY ON TEST																											
	1	1	1	0	1	1	0	0	1	1	1	1	1	0	1	0	0	1	1	1	1	1	1	1	1	1	0	0
ANIMAL ID	0	0	0	2	0	0	9	7	0	0	0	0	0	9	0	9	8	0	0	0	0	0	0	0	0	0	0	0
	8	3	8	1	8	8	5	8	8	8	8	8	3	8	3	1	8	8	8	8	8	8	8	8	8	8	8	8
	6	6	6	4	6	6	3	4	6	6	6	6	6	3	6	1	9	6	6	6	6	6	6	6	6	6	6	
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	3	3	3	3	3	3	3	3	3	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	
	9	9	9	9	9	9	9	9	9	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	1	1	1	1	1	1	
Pars Distalis, Adenoma																												
Thyroid Gland																												
<b>General Body System</b>																												
Tissue NOS																												
Sarcoma																												
<b>Genital System</b>																												
Epididymis																												
Histiocytic Sarcoma																												
Lymphoma Malignant Lymphocytic																												
Lymphoma Malignant Mixed																												
Preputial Gland																												
Prostate																												
Lymphoma Malignant Lymphocytic																												
Seminal Vesicle																												
Lymphoma Malignant Lymphocytic																												
Testes																												
Histiocytic Sarcoma																												
<b>Hematopoietic System</b>																												
Bone Marrow																												
Histiocytic Sarcoma																												
Lymphoma Malignant Lymphocytic																												

\* ..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: 05121-08

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Mouse/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL  
Test Compound: Scopolamine hydrobromide trihydrate  
CAS Number: 6533-68-2

Date Report Requested: 10/16/2014

Time Report Requested: 06:26:37

First Dose M/F: NA / NA

Lab: BAT

B6C3F1 Mouse Male 25 MG/KG20%/36M	DAY ON TEST																																			
	1	1	1	0	1	1	0	0	1	1	1	1	1	0	1	0	0	1	1	1	1	1	1	1	1	1	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								
	3	3	3	3	3	3	3	3	3	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4								
	9	9	9	9	9	9	9	9	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0								
	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1					
Lymphoma Malignant Mixed			X																																	
Lymph Node		+	+																																	
Lymphoma Malignant Lymphocytic		X																																		
Lymphoma Malignant Mixed																																				
Pancreatic, Lymphoma Malignant Mixed			X																																	
Lymph Node, Mandibular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+			
Lymphoma Malignant Lymphocytic		X															X																			
Lymphoma Malignant Mixed																																				
Lymph Node, Mediastinal		+																																		
Lymphoma Malignant Lymphocytic		X																																		
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	
Carcinoma, Metastatic, Stomach, Glandular																																				
Lymphoma Malignant Lymphocytic																																				
Lymphoma Malignant Mixed			X																																	
Spleen	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Hemangiosarcoma													X																							
Lymphoma Malignant Lymphocytic		X																																		
Lymphoma Malignant Mixed			X																																	
Thymus	+	+	M	M	+	+	M	M	+	+	+	M	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	
Lymphoma Malignant Lymphocytic																																				
<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	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: 05121-08

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Mouse/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL  
Test Compound: Scopolamine hydrobromide trihydrate  
CAS Number: 6533-68-2

Date Report Requested: 10/16/2014

Time Report Requested: 06:26:37

First Dose M/F: NA / NA

Lab: BAT

B6C3F1 Mouse Male 25 MG/KG20%/36M	DAY ON TEST																											
	1	1	1	0	1	1	0	0	1	1	1	1	1	0	1	0	0	1	1	1	1	1	1	1	1	1	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
	3	3	3	3	3	3	3	3	3	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
	9	9	9	9	9	9	9	9	9	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	1	1	1	1	1	1	1
Skin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
<b>Musculoskeletal System</b>																												
Bone	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Skeletal Muscle		+																										
Lymphoma Malignant Lymphocytic		X																										
<b>Nervous System</b>																												
Brain	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Peripheral Nerve																												
Spinal Cord																												
<b>Respiratory System</b>																												
Lung	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Alveolar/Bronchiolar Adenoma		X										X			X										X			
Alveolar/Bronchiolar Adenoma, Multiple																									X			
Alveolar/Bronchiolar Carcinoma																												
Alveolar/Bronchiolar Carcinoma, Multiple																												
Hepatocellular Carcinoma, Metastatic, Liver																												
Lymphoma Malignant Lymphocytic																												
Lymphoma Malignant Mixed																												
Nose	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Trachea	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
<b>Special Senses System</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: 05121-08

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Mouse/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL  
Test Compound: Scopolamine hydrobromide trihydrate  
CAS Number: 6533-68-2

Date Report Requested: 10/16/2014

Time Report Requested: 06:26:38

First Dose M/F: NA / NA

Lab: BAT

B6C3F1 Mouse Male 25 MG/KG20%/36M	DAY ON TEST																																		
	1	1	1	0	1	1	0	0	1	1	1	1	1	0	1	0	0	1	1	1	1	1	1	1	1	1	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	2	0	0	9	7	0	0	0	0	0	9	0	9	8	0	0	0	0	0	0	0	0	0	0	0							
	8	3	8	1	8	8	5	8	8	8	8	8	8	3	8	3	1	8	8	8	8	8	8	8	8	8	8	8							
	6	6	6	4	6	6	3	4	6	6	6	6	6	3	6	1	9	6	6	6	6	6	6	6	6	6	6	6							
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0							
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0							
	3	3	3	3	3	3	3	3	3	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4							
	9	9	9	9	9	9	9	9	9	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	1	1	1	1	1	1	1							
Eye																																			
Harderian Gland	+	+	M	M	M	+	M	M	M	+	M	+	+	M	+	+	M	M	+	+	M	+	M	+	M	M	+	M	+	M	M				
Adenoma																																			
Urinary System																																			
Kidney	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			
Lymphoma Malignant Lymphocytic																																			
Lymphoma Malignant Mixed				X																															
Renal Tubule, Adenoma																																			
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		
Lymphoma Malignant Mixed																																			
SYSTEMIC LESIONS																																			
Multiple Organ	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Histiocytic Sarcoma																																			
Lymphoma Malignant Lymphocytic			X														X						X												X
Lymphoma Malignant Mixed				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: 05121-08  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: Mouse/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL  
 Test Compound: Scopolamine hydrobromide trihydrate  
 CAS Number: 6533-68-2

Date Report Requested: 10/16/2014  
 Time Report Requested: 06:26:38  
 First Dose M/F: NA / NA  
 Lab: BAT

B6C3F1 Mouse Male 25 MG/KG20%/36M	DAY ON TEST																		*TOTALS
	0	1	1	1	0	1	1	1	1	0	1	1	1	1	1	0	1	1	
	9	0	0	0	9	0	0	0	0	8	0	0	0	0	0	8	0	0	
	6	8	8	8	5	8	8	8	8	8	8	8	8	8	8	9	8	8	
	4	6	6	6	7	6	6	6	6	0	6	6	6	6	6	2	6	6	
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	
	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	
	2	2	2	2	2	2	2	2	3	3	3	3	3	3	3	3	3	4	
	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0

**Alimentary System**

Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Gallbladder	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Carcinoma																				1
Intestine Small, Ileum	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Lymphoma Malignant Mixed								X												1
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	49
Carcinoma																				1
Lymphoma Malignant Mixed								X	X	X						X				5
Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Carcinoma, Metastatic, Stomach, Glandular																			X	1
Hepatocellular Adenoma				X										X						7
Hepatocellular Adenoma, Multiple																				1
Hepatocellular Carcinoma							X													4
Hepatocellular Carcinoma, Multiple																X				1
Histiocytic Sarcoma																				1
Lymphoma Malignant Lymphocytic	X																			3
Lymphoma Malignant Mixed								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

Experiment Number: 05121-08  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: Mouse/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL  
 Test Compound: Scopolamine hydrobromide trihydrate  
 CAS Number: 6533-68-2

Date Report Requested: 10/16/2014  
 Time Report Requested: 06:26:38  
 First Dose M/F: NA / NA  
 Lab: BAT

B6C3F1 Mouse Male 25 MG/KG20%/36M	DAY ON TEST																		*TOTALS
	0	1	1	1	0	1	1	1	1	0	1	1	1	1	1	0	1	1	
ANIMAL ID	9	0	0	0	9	0	0	0	0	8	0	0	0	0	0	8	0	0	
	6	8	8	8	5	8	8	8	8	8	8	8	8	8	8	9	8	8	
	4	6	6	6	7	6	6	6	6	0	6	6	6	6	6	2	6	6	
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	
	2	2	2	2	2	2	2	2	3	3	3	3	3	3	3	3	3	4	
	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0
Mesentery																			1
Pancreas	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Lymphoma Malignant Mixed																			1
Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Lymphoma Malignant Mixed													X						1
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Squamous Cell Papilloma																			1
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Carcinoma																		X	1
Tongue																			1
Tooth												+		+					7
<b>Cardiovascular System</b>																			
Blood Vessel	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
<b>Endocrine System</b>																			
Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Capsule, Adenoma																			1
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Adenoma														X					1
Parathyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	47
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	47

\* ..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: 05121-08

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Mouse/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL  
Test Compound: Scopolamine hydrobromide trihydrate  
CAS Number: 6533-68-2

Date Report Requested: 10/16/2014

Time Report Requested: 06:26:38

First Dose M/F: NA / NA

Lab: BAT

B6C3F1 Mouse Male 25 MG/KG20%/36M	DAY ON TEST																		*TOTALS	
	0	1	1	1	0	1	1	1	1	0	1	1	1	1	1	0	1	1		
ANIMAL ID	9	0	0	0	9	0	0	0	0	8	0	0	0	0	0	8	0	0		
	6	8	8	8	5	8	8	8	8	8	8	8	8	8	8	9	8	8		
	4	6	6	6	7	6	6	6	6	0	6	6	6	6	6	2	6	6		
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4		
	2	2	2	2	2	2	2	2	3	3	3	3	3	3	3	3	3	4		
	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	
Pars Distalis, Adenoma																			X	3
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
<b>General Body System</b>																				
Tissue NOS																				1
Sarcoma																				1
<b>Genital System</b>																				
Epididymis	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Histiocytic Sarcoma																				1
Lymphoma Malignant Lymphocytic	X																			3
Lymphoma Malignant Mixed														X						1
Preputial Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Prostate	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Lymphoma Malignant Lymphocytic	X																			3
Seminal Vesicle	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Lymphoma Malignant Lymphocytic	X																			3
Testes	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Histiocytic Sarcoma																				1
<b>Hematopoietic System</b>																				
Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Histiocytic Sarcoma																				1
Lymphoma Malignant Lymphocytic	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: 05121-08  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: Mouse/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL  
 Test Compound: Scopolamine hydrobromide trihydrate  
 CAS Number: 6533-68-2

Date Report Requested: 10/16/2014  
 Time Report Requested: 06:26:38  
 First Dose M/F: NA / NA  
 Lab: BAT

B6C3F1 Mouse Male 25 MG/KG20%/36M	DAY ON TEST																		*TOTALS		
	0	1	1	1	0	1	1	1	1	0	1	1	1	1	1	0	1	1			
ANIMAL ID	9	0	0	0	9	0	0	0	0	8	0	0	0	0	0	8	0	0			
	6	8	8	8	5	8	8	8	8	8	8	8	8	8	8	9	8	8			
	4	6	6	6	7	6	6	6	6	0	6	6	6	6	6	2	6	6			
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4			
	2	2	2	2	2	2	2	2	3	3	3	3	3	3	3	3	3	4			
	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0		
Lymphoma Malignant Mixed																			X	2	
Lymph Node	+																		+	4	
Lymphoma Malignant Lymphocytic	X																			2	
Lymphoma Malignant Mixed																			X	1	
Pancreatic, Lymphoma Malignant Mixed																				1	
Lymph Node, Mandibular	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	M	+	+	47	
Lymphoma Malignant Lymphocytic	X																			4	
Lymphoma Malignant Mixed																			X	1	
Lymph Node, Mediastinal										+										3	
Lymphoma Malignant Lymphocytic																				2	
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	46	
Carcinoma, Metastatic, Stomach, Glandular																				X	1
Lymphoma Malignant Lymphocytic	X																			2	
Lymphoma Malignant Mixed									X	X	X						X			6	
Spleen	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Hemangiosarcoma																				1	
Lymphoma Malignant Lymphocytic	X																			3	
Lymphoma Malignant Mixed									X					X						3	
Thymus	M	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	38	
Lymphoma Malignant Lymphocytic																				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	0	

\* ..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: 05121-08  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: Mouse/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL  
 Test Compound: Scopolamine hydrobromide trihydrate  
 CAS Number: 6533-68-2

Date Report Requested: 10/16/2014  
 Time Report Requested: 06:26:38  
 First Dose M/F: NA / NA  
 Lab: BAT

B6C3F1 Mouse Male 25 MG/KG20%/36M	DAY ON TEST	0	1	1	1	0	1	1	1	1	0	1	1	1	1	1	0	1	1
	ANIMAL ID	9	0	0	0	9	0	0	0	0	8	0	0	0	0	0	8	0	0
		6	8	8	8	5	8	8	8	8	8	8	8	8	8	8	9	8	8
		4	6	6	6	7	6	6	6	6	0	6	6	6	6	6	2	6	6
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
		2	2	2	2	2	2	2	2	3	3	3	3	3	3	3	3	3	4
		2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9
		<b>*TOTALS</b>																	
Skin		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Musculoskeletal System																			
Bone		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Skeletal Muscle																			
Lymphoma Malignant Lymphocytic																			
Nervous System																			
Brain		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Peripheral Nerve																			
Spinal Cord																			
Respiratory System																			
Lung		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Alveolar/Bronchiolar Adenoma			X					X			X	X			X				
Alveolar/Bronchiolar Adenoma, Multiple							X												
Alveolar/Bronchiolar Carcinoma				X		X	X											X	
Alveolar/Bronchiolar Carcinoma, Multiple													X						
Hepatocellular Carcinoma, Metastatic, Liver																			
Lymphoma Malignant Lymphocytic																			
Lymphoma Malignant Mixed									X				X						
Nose		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Trachea		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Special Senses 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: 05121-08  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: Mouse/B6C3F1

**P04: NEOPLASMS BY INDIVIDUAL ANIMAL**  
 Test Compound: Scopolamine hydrobromide trihydrate  
 CAS Number: 6533-68-2

Date Report Requested: 10/16/2014  
 Time Report Requested: 06:26:38  
 First Dose M/F: NA / NA  
 Lab: BAT

B6C3F1 Mouse Male 25 MG/KG20%/36M	DAY ON TEST																		*TOTALS	
	0	1	1	1	0	1	1	1	1	0	1	1	1	1	1	0	1	1		
ANIMAL ID	9	0	0	0	9	0	0	0	0	8	0	0	0	0	0	8	0	0		
	6	8	8	8	5	8	8	8	8	8	8	8	8	8	8	9	8	8		
	4	6	6	6	7	6	6	6	6	0	6	6	6	6	6	2	6	6		
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4		
	2	2	2	2	2	2	2	2	3	3	3	3	3	3	3	3	3	4		
	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9		
Eye																			3	
Harderian Gland	+	M	M	M	M	+	+	+	M	M	M	+	+	M	+	+	M	+	M	23
Adenoma																				4
<b>Urinary System</b>																				
Kidney	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Lymphoma Malignant Lymphocytic	X																			1
Lymphoma Malignant Mixed													X							2
Renal Tubule, Adenoma																	X			1
Urinary Bladder	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Lymphoma Malignant Mixed														X						1
<b>SYSTEMIC LESIONS</b>																				
Multiple Organ	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Histiocytic Sarcoma																				1
Lymphoma Malignant Lymphocytic	X																			4
Lymphoma Malignant Mixed									X	X	X	X		X		X				8

\*\*\*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: 05121-08  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: Mouse/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL  
 Test Compound: Scopolamine hydrobromide trihydrate  
 CAS Number: 6533-68-2

Date Report Requested: 10/16/2014  
 Time Report Requested: 06:26:39  
 First Dose M/F: NA / NA  
 Lab: BAT

B6C3F1 Mouse Female 0 MG/KG 104/WEEK	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	
	7	7	7	7	7	7	7	7	4	7	7	7	7	4	7	7	4	7	4	7	5	7	7	7	4	4	7	7	7	4
	2	2	2	2	2	2	2	2	5	2	2	2	2	5	2	2	5	2	5	2	6	2	2	2	5	5	2	2	2	9
	3	3	3	3	3	3	3	3	6	3	3	3	3	6	3	3	6	3	6	3	2	3	3	3	6	6	3	3	3	2
ANIMAL ID	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	3	3
	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

**Alimentary System**

Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Gallbladder	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	M	+	
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Hepatocellular Adenoma																															
Histiocytic Sarcoma																															
Lymphoma Malignant Mixed									X																						
Mesentery																															
Histiocytic Sarcoma																															
Pancreas	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	

**Cardiovascular System**

Blood Vessel	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+

\* ..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: 05121-08  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: Mouse/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL  
 Test Compound: Scopolamine hydrobromide trihydrate  
 CAS Number: 6533-68-2

Date Report Requested: 10/16/2014  
 Time Report Requested: 06:26:39  
 First Dose M/F: NA / NA  
 Lab: BAT

DAY ON TEST	ANIMAL ID																													
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
<b>B6C3F1 Mouse Female</b>	7	7	7	7	7	7	7	7	4	7	7	7	7	4	7	7	4	7	4	7	5	7	7	7	4	4	7	7	7	4
<b>0 MG/KG 104/WEEK</b>	2	2	2	2	2	2	2	2	5	2	2	2	2	5	2	2	5	2	5	2	6	2	2	2	5	5	2	2	2	9
	3	3	3	3	3	3	3	3	6	3	3	3	3	6	3	3	6	3	3	2	3	3	3	6	6	3	3	3	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	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	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	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	3	3

**Endocrine System**

Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Pheochromocytoma Benign																														X	
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Parathyroid Gland	+	+	+	+	+	M	+	+	M	+	M	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	
Pars Intermed, Adenoma																															
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Follicular Cel, Adenoma																															X

**General Body System**

NONE

**Genital System**

Clitoral Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		
Ovary	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Histiocytic Sarcoma																															X
Lymphoma Malignant Mixed									X																						
Uterus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Histiocytic Sarcoma				X																											X

**Hematopoietic System**

Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
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\* ..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: 05121-08  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: Mouse/B6C3F1

**P04: NEOPLASMS BY INDIVIDUAL ANIMAL**  
 Test Compound: Scopolamine hydrobromide trihydrate  
 CAS Number: 6533-68-2

Date Report Requested: 10/16/2014  
 Time Report Requested: 06:26:39  
 First Dose M/F: NA / NA  
 Lab: BAT

B6C3F1 Mouse Female 0 MG/KG 104/WEEK	DAY ON TEST																													
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
ANIMAL ID	7	7	7	7	7	7	7	7	4	7	7	7	7	4	7	7	4	7	4	7	5	7	7	7	4	4	7	7	7	4
	2	2	2	2	2	2	2	2	5	2	2	2	2	5	2	2	5	2	5	2	6	2	2	2	5	5	2	2	2	9
	3	3	3	3	3	3	3	3	6	3	3	3	3	6	3	3	6	3	6	3	2	3	3	3	6	6	3	3	3	2
Bone Marrow	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Histiocytic Sarcoma	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Lymph Node, Mandibular	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Lymph Node, Mediastinal	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Histiocytic Sarcoma	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Lymphoma Malignant Mixed	1	2	3	4	5	6	7	8	9	0	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	3	3
Histiocytic Sarcoma	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Lymph Node, Mesenteric	+	+	+	+	+	M	+	+	M	+	+	+	+	+	+	+	+	+	M	+	+	+	M	+	M	+	+	+	+	+
Histiocytic Sarcoma																														
Lymphoma Malignant Mixed									X																					
Spleen	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Lymphoma Malignant Mixed									X																					
Thymus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	M
Alveolar/Bronchiolar Carcinoma, Metastatic, Lung																														
Lymphoma Malignant Mixed									X																					
<b>Integumentary System</b>																														
Mammary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Carcinoma																														
Skin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
<b>Musculoskeletal System</b>																														
Bone	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Skeletal Muscle																														

\* ..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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 BLANK ..Not examined microscopically

**Experiment Number:** 05121-08  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P04: NEOPLASMS BY INDIVIDUAL ANIMAL**  
**Test Compound:** Scopolamine hydrobromide trihydrate  
**CAS Number:** 6533-68-2

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 06:26:40  
**First Dose M/F:** NA / NA  
**Lab:** BAT

		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
<b>B6C3F1 Mouse Female</b>		7	7	7	7	7	7	7	4	7	7	7	7	4	7	7	4	7	4	7	5	7	7	7	4	4	7	7	7	7	4	4	7	7	4
<b>0 MG/KG 104/WEEK</b>		2	2	2	2	2	2	2	2	5	2	2	2	2	5	2	2	5	2	5	2	6	2	2	2	5	5	2	2	2	2	2	2	9	
		3	3	3	3	3	3	3	3	6	3	3	3	6	3	3	6	3	6	3	2	3	3	3	6	6	3	3	3	3	3	3	2		
	ANIMAL ID	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	3	3	1
		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			

**Nervous System**

Brain	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
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**Respiratory System**

Lung	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
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Alveolar/Bronchiolar Adenoma																						X															
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Alveolar/Bronchiolar Carcinoma																																						
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Alveolar/Bronchiolar Carcinoma, Multiple																					X																
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Histiocytic Sarcoma																																					X
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Lymphoma Malignant Mixed									X																												
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Carcinoma, Metastatic, Lung

Nose	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
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Trachea	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
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**Special Senses System**

Harderian Gland	+	M	+	M	M	M	+	M	M	M	+	+	M	M	M	M	M	M	+	M	M	+	+	M	M	M	+	+	+	+	+	+	+	+	+	M
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Adenoma											X																							X	X		
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**Urinary System**

Kidney	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
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Histiocytic Sarcoma																																					X
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Urinary Bladder	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
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**Experiment Number:** 05121-08  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P04: NEOPLASMS BY INDIVIDUAL ANIMAL**  
**Test Compound:** Scopolamine hydrobromide trihydrate  
**CAS Number:** 6533-68-2

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 06:26:40  
**First Dose M/F:** NA / NA  
**Lab:** BAT

DAY ON TEST  B6C3F1 Mouse Female 0 MG/KG 104/WEEK	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	7	7	7	7	7	7	7	7	4	7	7	7	7	4	7	7	4	7	4	7	5	7	7	7	4	4	7	7	7	4	4	7	7	7	4	4	7	7	4	
	2	2	2	2	2	2	2	2	5	2	2	2	2	5	2	2	5	2	5	2	6	2	2	2	5	5	2	2	2	2	2	2	2	2	2	2	2	2	2	2
ANIMAL ID	3	3	3	3	3	3	3	3	6	3	3	3	3	6	3	3	6	3	6	3	2	3	3	3	6	6	3	3	3	3	3	3	3	3	3	3	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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	3	3	
1	2	3	4	5	6	7	8	9	0	1	1	2	3	4	5	6	7	8	9	0	1	2	2	3	4	5	6	7	8	9	0	0	0	0	0	0	1			

**SYSTEMIC LESIONS**

Multiple Organ	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Histiocytic Sarcoma			X																																					X
Lymphoma Malignant Mixed								X																																

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DAY ON TEST	ANIMAL ID																												
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
B6C3F1 Mouse Female	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
0 MG/KG 104/WEEK	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	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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	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	4	4	4	4	4	4	4	4	4	4	5	5	5	5	5	5	5	5	5	6
	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

**Alimentary System**

Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+
Gallbladder	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Small, Ileum	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Hepatocellular Adenoma		X												X																	
Histiocytic Sarcoma																															
Lymphoma Malignant Mixed																															
Mesentery			+																												
Histiocytic Sarcoma																															
Pancreas	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+

**Cardiovascular System**

Blood Vessel	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+

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M ..Missing tissue  
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 BLANK ..Not examined microscopically

Experiment Number: 05121-08  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: Mouse/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL  
 Test Compound: Scopolamine hydrobromide trihydrate  
 CAS Number: 6533-68-2

Date Report Requested: 10/16/2014  
 Time Report Requested: 06:26:40  
 First Dose M/F: NA / NA  
 Lab: BAT

DAY ON TEST	ANIMAL ID																												
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
B6C3F1 Mouse Female	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
0 MG/KG 104/WEEK	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	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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	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	4	4	4	4	4	4	4	4	4	4	5	5	5	5	5	5	5	5	5	6
	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

**Endocrine System**

Adrenal Cortex	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Adrenal Medulla	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Pheochromocytoma Benign																													
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Parathyroid Gland	+	+	+	+	+	M	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	M	+	+	+	M	+	
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	M	+	M	+	+	+	+
Pars Intermed, Adenoma													X																
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Follicular Cel, Adenoma																													

**General Body System**

NONE

**Genital System**

Clitoral Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Ovary	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Histiocytic Sarcoma																													
Lymphoma Malignant Mixed																													
Uterus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Histiocytic Sarcoma																													

**Hematopoietic System**

Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
-------------	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

\* ..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: 05121-08  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: Mouse/B6C3F1

**P04: NEOPLASMS BY INDIVIDUAL ANIMAL**  
 Test Compound: Scopolamine hydrobromide trihydrate  
 CAS Number: 6533-68-2

Date Report Requested: 10/16/2014  
 Time Report Requested: 06:26:40  
 First Dose M/F: NA / NA  
 Lab: BAT

B6C3F1 Mouse Female 0 MG/KG 104/WEEK	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
	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	4	6	7	4	4	7	7	7	7	7	4	7	7	7
0 MG/KG 104/WEEK	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	5	2	2	5	5	2	2	2	2	2	5	2	2	2
ANIMAL ID	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	6	8	3	6	6	3	3	3	3	3	6	3	3	3
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	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	4	4	4	4	4	4	4	4	4	4	5	5	5	5	5	5	5	5	5	5	6
	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
Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Histiocytic Sarcoma																													
Lymph Node, Mandibular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Lymph Node, Mediastinal			+																										
Histiocytic Sarcoma																													
Lymphoma Malignant Mixed			X																										
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	+	M	+	+	M	+	+	M	+	+	+	+	+	+	+	+	+	+	+
Histiocytic Sarcoma																													
Lymphoma Malignant Mixed			X																										
Spleen	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Lymphoma Malignant Mixed																													
Thymus	+	+	M	M	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Alveolar/Bronchiolar Carcinoma, Metastatic, Lung																													
Lymphoma Malignant Mixed																													
<b>Integumentary System</b>																													
Mammary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Carcinoma																													
Skin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
<b>Musculoskeletal System</b>																													
Bone	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Skeletal Muscle											+	+																	

\* ..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: 05121-08  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: Mouse/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL  
 Test Compound: Scopolamine hydrobromide trihydrate  
 CAS Number: 6533-68-2

Date Report Requested: 10/16/2014  
 Time Report Requested: 06:26:40  
 First Dose M/F: NA / NA  
 Lab: BAT

DAY ON TEST	ANIMAL ID																												
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
B6C3F1 Mouse Female	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	4	6	7	4	4	7	7	7	7	7	4	7	7	
0 MG/KG 104/WEEK	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	5	2	2	5	5	2	2	2	2	2	5	2	2	
	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	6	8	3	6	6	3	3	3	3	3	6	3	3	
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	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	4	4	4	4	4	4	4	4	4	5	5	5	5	5	5	5	5	5	5	6	
	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

**Nervous System**

Brain +

**Respiratory System**

Lung +

Alveolar/Bronchiolar Adenoma X X

Alveolar/Bronchiolar Carcinoma X

Alveolar/Bronchiolar Carcinoma, Multiple X

Histiocytic Sarcoma

Lymphoma Malignant Mixed

Mediastinum, Alveolar/Bronchiolar Carcinoma, Metastatic, Lung X

Nose +

Trachea +

**Special Senses System**

Harderian Gland Adenoma + + + + + M M M M M + M + M + M M + M M M + M M M + M + +

**Urinary System**

Kidney +

Histiocytic Sarcoma

Urinary Bladder +

\* ..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: 05121-08  
Test Type: CHRONIC  
Route: GAVAGE  
Species/Strain: Mouse/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL  
Test Compound: Scopolamine hydrobromide trihydrate  
CAS Number: 6533-68-2

Date Report Requested: 10/16/2014  
Time Report Requested: 06:26:41  
First Dose M/F: NA / NA  
Lab: BAT

DAY ON TEST	ANIMAL ID																														
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	4	6	7	4	4	7	7	7	7	7	7	4	7	7	7	7
2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	5	2	2	5	5	2	2	2	2	2	5	2	2	5	2	2
3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	6	8	3	6	6	3	3	3	3	3	6	3	3	3	3	3
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	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	4	4	4	4	4	4	4	4	4	4	5	5	5	5	5	5	5	5	5	5	5	5	5	
2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	0	0	

SYSTEMIC LESIONS

Multiple Organ	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Histiocytic Sarcoma																																			
Lymphoma Malignant Mixed				X																															

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BLANK ..Not examined microscopically

**Experiment Number:** 05121-08  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P04: NEOPLASMS BY INDIVIDUAL ANIMAL**  
**Test Compound:** Scopolamine hydrobromide trihydrate  
**CAS Number:** 6533-68-2

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 06:26:41  
**First Dose M/F:** NA / NA  
**Lab:** BAT

DAY ON TEST

**B6C3F1 Mouse Female**  
**0 MG/KG 104/WEEK**

ANIMAL ID

\*TOTALS

**Alimentary System**

Esophagus	59
Gallbladder	60
Intestine Large, Cecum	60
Intestine Large, Colon	60
Intestine Large, Rectum	60
Intestine Small, Duodenum	60
Intestine Small, Ileum	57
Intestine Small, Jejunum	60
Liver	60
Hepatocellular Adenoma	3
Histiocytic Sarcoma	1
Lymphoma Malignant Mixed	1
Mesentery	2
Histiocytic Sarcoma	1
Pancreas	60
Salivary Glands	60
Stomach, Forestomach	60
Stomach, Glandular	60

**Cardiovascular System**

Blood Vessel	60
Heart	60

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Experiment Number: 05121-08

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Mouse/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL  
Test Compound: Scopolamine hydrobromide trihydrate  
CAS Number: 6533-68-2

Date Report Requested: 10/16/2014

Time Report Requested: 06:26:41

First Dose M/F: NA / NA

Lab: BAT

DAY ON TEST

**B6C3F1 Mouse Female**  
**0 MG/KG 104/WEEK**

ANIMAL ID

\*TOTALS

**Endocrine System**

Adrenal Cortex	59
Adrenal Medulla	59
Pheochromocytoma Benign	1
Islets, Pancreatic	60
Parathyroid Gland	52
Pituitary Gland	56
Pars Intermed, Adenoma	1
Thyroid Gland	60
Follicular Cel, Adenoma	1

**General Body System**

NONE

**Genital System**

Clitoral Gland	59
Ovary	60
Histiocytic Sarcoma	1
Lymphoma Malignant Mixed	1
Uterus	60
Histiocytic Sarcoma	2

**Hematopoietic System**

Bone Marrow	60
Histiocytic Sarcoma	1

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+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

Experiment Number: 05121-08

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Mouse/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL  
Test Compound: Scopolamine hydrobromide trihydrate  
CAS Number: 6533-68-2

Date Report Requested: 10/16/2014

Time Report Requested: 06:26:41

First Dose M/F: NA / NA

Lab: BAT

DAY ON TEST

**B6C3F1 Mouse Female**  
**0 MG/KG 104/WEEK**

ANIMAL ID	*TOTALS
Lymph Node, Mandibular	60
Lymph Node, Mediastinal	2
Histiocytic Sarcoma	1
Lymphoma Malignant Mixed	1
Lymph Node, Mesenteric	51
Histiocytic Sarcoma	1
Lymphoma Malignant Mixed	2
Spleen	60
Lymphoma Malignant Mixed	1
Thymus	55
Alveolar/Bronchiolar Carcinoma, Metastatic, Lung	1
Lymphoma Malignant Mixed	1
<b>Integumentary System</b>	
Mammary Gland	60
Carcinoma	1
Skin	60
<b>Musculoskeletal System</b>	
Bone	60
Skeletal Muscle	2
<b>Nervous System</b>	
Brain	60

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+ ..Tissue examined microscopically  
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I ..Insufficient tissue

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



**Experiment Number:** 05121-08  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P04: NEOPLASMS BY INDIVIDUAL ANIMAL**  
**Test Compound:** Scopolamine hydrobromide trihydrate  
**CAS Number:** 6533-68-2

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 06:26:41  
**First Dose M/F:** NA / NA  
**Lab:** BAT

DAY ON TEST

**B6C3F1 Mouse Female**  
**0 MG/KG 104/WEEK**

ANIMAL ID

\*TOTALS

**Respiratory System**

Lung	60
Alveolar/Bronchiolar Adenoma	3
Alveolar/Bronchiolar Carcinoma	1
Alveolar/Bronchiolar Carcinoma, Multiple	2
Histiocytic Sarcoma	1
Lymphoma Malignant Mixed	1
Mediastinum, Alveolar/Bronchiolar Carcinoma, Metastatic, Lung	1
Nose	60
Trachea	60

**Special Senses System**

Harderian Gland	24
Adenoma	3

**Urinary System**

Kidney	60
Histiocytic Sarcoma	1
Urinary Bladder	60

**SYSTEMIC LESIONS**

Multiple Organ	60
Histiocytic Sarcoma	2
Lymphoma Malignant Mixed	2

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

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

Experiment Number: 05121-08  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: Mouse/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL  
 Test Compound: Scopolamine hydrobromide trihydrate  
 CAS Number: 6533-68-2

Date Report Requested: 10/16/2014  
 Time Report Requested: 06:26:41  
 First Dose M/F: NA / NA  
 Lab: BAT

B6C3F1 Mouse Female 0 MG/KG 20%/36M	DAY ON TEST																														
	1	1	1	0	1	1	0	1	1	1	0	1	0	0	0	1	0	0	1	0	1	0	1	0	1	0	1	0	0		
	0	0	0	8	0	0	9	0	0	5	0	9	9	8	0	8	9	0	8	0	9	0	8	0	0	9	0	8	0		
	8	8	5	5	8	8	4	8	8	8	5	8	1	2	9	8	4	2	8	6	8	0	7	8	5	8	8	6	2	7	6
	7	7	0	6	7	7	6	7	7	5	5	7	1	1	8	7	6	7	7	0	7	4	7	7	7	0	7	7	0	6	8
ANIMAL ID	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	6	6	6	6	6	6	6	6	6	7	7	7	7	7	7	7	7	7	8	8	8	8	8	8	8	8	8	8	8	9	9
	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

Alimentary System

Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Gallbladder	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Large, Cecum	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Histiocytic Sarcoma																															
Lymphoma Malignant Mixed							X																								
Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Hepatocellular Adenoma					X	X							X			X						X	X	X							
Hepatocellular Adenoma, Multiple																															
Hepatocellular Carcinoma																															
Hepatocellular Carcinoma, Multiple																															
Histiocytic Sarcoma																															
Lymphoma Malignant Lymphocytic				X								X				X															
Lymphoma Malignant Mixed					X					X																					
Mesentery																															
Hemangiosarcoma																															
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: 05121-08  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: Mouse/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL  
 Test Compound: Scopolamine hydrobromide trihydrate  
 CAS Number: 6533-68-2

Date Report Requested: 10/16/2014  
 Time Report Requested: 06:26:41  
 First Dose M/F: NA / NA  
 Lab: BAT

DAY ON TEST	ANIMAL ID																												
	1	1	1	0	1	1	0	1	1	1	0	1	0	0	0	1	0	0	1	0	1	1	0	1	1	0	1	0	0
<b>B6C3F1 Mouse Female</b>	0	0	0	8	0	0	9	0	0	5	0	9	9	8	0	8	9	0	8	0	0	9	0	8	0	0	9	0	8
<b>0 MG/KG 20%/36M</b>	8	8	5	5	8	8	4	8	8	8	5	8	1	2	9	8	4	2	8	6	8	0	7	8	5	8	8	6	8
	7	7	0	6	7	7	6	7	7	5	5	7	1	1	8	7	6	7	7	0	7	4	7	7	7	0	3	6	
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	6	6	6	6	6	6	6	6	6	7	7	7	7	7	7	7	7	7	8	8	8	8	8	8	8	8	8	8	8
	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

Lymphoma Malignant Lymphocytic	X																												
Sarcoma, Metastatic, Skin																													
Pancreas	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Lymphoma Malignant Mixed																													
Salivary Glands	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Lymphoma Malignant Lymphocytic	X																												
Lymphoma Malignant Mixed																													
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Squamous Cell Papilloma																													
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Tooth	+																												
<b>Cardiovascular System</b>																													
Blood Vessel	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
<b>Endocrine System</b>																													
Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Lymphoma Malignant Lymphocytic	X																												
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Pheochromocytoma Benign	X																												
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Adenoma	X																												
Carcinoma	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: 05121-08

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Mouse/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
Test Compound: Scopolamine hydrobromide trihydrate
CAS Number: 6533-68-2

Date Report Requested: 10/16/2014

Time Report Requested: 06:26:42

First Dose M/F: NA / NA

Lab: BAT

Table with columns for DAY ON TEST (1-30) and ANIMAL ID (0-30). Rows include B6C3F1 Mouse Female 0 MG/KG 20%/36M, and various organ systems: Parathyroid Gland, Pituitary Gland, Thyroid Gland, General Body System, Genital System, and Hematopoietic System. Data points are +, -, M, X, or BLANK.

\* ..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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Lab: BAT

Table with columns for DAY ON TEST (1-30) and ANIMAL ID (0-30). Rows include B6C3F1 Mouse Female and 0 MG/KG 20%/36M.

Table with columns for various tissue types (Bone Marrow, Hemangiosarcoma, etc.) and rows for individual animals (0-30). Contains symbols like +, X, M.

\* ..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: 05121-08  
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 Route: GAVAGE  
 Species/Strain: Mouse/B6C3F1

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 Lab: BAT

B6C3F1 Mouse Female 0 MG/KG 20%/36M	DAY ON TEST																														
	1	1	1	0	1	1	0	1	1	1	0	1	0	0	0	1	0	0	1	0	1	1	0	1	1	0	1	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		
Lymph Node, Mesenteric	+	+	+	M	+	+	+	+	+	M	+	+	+	M	+	+	+	M	M	+	+	+	M	+	+	+	+	M	+	+	+
Histiocytic Sarcoma																															
Lymphoma Malignant Lymphocytic				X																											
Lymphoma Malignant Mixed							X	X																							
Spleen	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Hemangiosarcoma																															
Histiocytic Sarcoma																															
Lymphoma Malignant Lymphocytic				X																											
Lymphoma Malignant Mixed							X	X																							
Thymus	+	+	+	M	M	+	+	+	+	+	M	+	M	+	+	+	+	M	+	+	+	+	M	M	+	+	+	+	+	+	
Histiocytic Sarcoma																															
Lymphoma Malignant Lymphocytic				X																											
Lymphoma Malignant Mixed																															
<b>Integumentary System</b>																															
Mammary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	
Lymphoma Malignant Mixed																															
Skin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Subcut Tiss, Fibrosarcoma																															
Subcut Tiss, Sarcoma																															
<b>Musculoskeletal System</b>																															
Bone	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+

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 Test Compound: Scopolamine hydrobromide trihydrate  
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Date Report Requested: 10/16/2014  
 Time Report Requested: 06:26:43  
 First Dose M/F: NA / NA  
 Lab: BAT

DAY ON TEST	ANIMAL ID																														
	1	1	1	0	1	1	0	1	1	1	0	1	0	0	0	1	0	0	1	0	1	0	1	0	1	1	0	1	0	0	
B6C3F1 Mouse Female	0	0	0	8	0	0	9	0	0	5	0	9	9	8	0	8	9	0	8	0	9	0	8	0	9	0	8	0	0		
0 MG/KG 20%/36M	8	8	5	5	8	8	4	8	8	8	5	8	1	2	9	8	4	2	8	6	8	0	7	8	5	8	8	6	2	7	6
	7	7	0	6	7	7	6	7	7	5	5	7	1	1	8	7	6	7	7	0	7	7	4	7	4	7	7	0	3	6	
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	6	6	6	6	6	6	6	6	6	7	7	7	7	7	7	7	7	7	8	8	8	8	8	8	8	8	8	8	9	9	
	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	

**Nervous System**

Brain	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Astrocytoma Malignant																														
Lymphoma Malignant Lymphocytic															X									X						
Peripheral Nerve																														
Spinal Cord																														

**Respiratory System**

Lung	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Alveolar/Bronchiolar Adenoma	X																													
Alveolar/Bronchiolar Carcinoma																						X	X							X
Hepatocellular Carcinoma, Metastatic, Liver												X					X													
Histiocytic Sarcoma													X																X	
Lymphoma Malignant Lymphocytic				X								X																		
Lymphoma Malignant Mixed										X																				
Mediastinum, Lymphoma Malignant Mixed																														

Nose	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Trachea	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+

**Special Senses System**

Ear																															
Eye											+																				
Harderian Gland	+	+	+	M	+	M	M	M	+	+	M	+	+	M	M	+	M	M	+	M	M	+	M	M	M	M	M	+	M	M	+

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B6C3F1 Mouse Female 0 MG/KG 20%/36M	DAY ON TEST																														
	1	1	1	0	1	1	0	1	1	1	0	1	0	0	0	1	0	0	1	0	1	0	1	0	1	1	0	1	0	0	
	0	0	0	8	0	0	9	0	0	5	0	9	9	8	0	8	9	0	8	0	0	9	0	8	0	0	9	0	8	8	
	8	8	5	5	8	8	4	8	8	8	5	8	1	2	9	8	4	2	8	6	8	0	7	8	5	8	8	6	2	7	6
	7	7	0	6	7	7	6	7	7	5	5	7	1	1	8	7	6	7	7	0	7	7	4	7	9	7	7	0	3	6	6
ANIMAL ID	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	6	6	6	6	6	6	6	6	6	7	7	7	7	7	7	7	7	7	7	8	8	8	8	8	8	8	8	8	8	9	9
	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

Urinary System

Kidney	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Histiocytic Sarcoma																															
Lymphoma Malignant Lymphocytic				X																											
Lymphoma Malignant Mixed					X					X																					
Urinary Bladder	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Lymphoma Malignant Lymphocytic																															

SYSTEMIC LESIONS

Multiple Organ	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Histiocytic Sarcoma																															
Lymphoma Malignant Lymphocytic				X							X				X							X		X							
Lymphoma Malignant Mixed					X	X				X																					

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

+ ..Tissue examined microscopically

X ..Lesion present

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 Lab: BAT

B6C3F1 Mouse Female 0 MG/KG 20%/36M	DAY ON TEST																				*TOTALS
	0	1	1	0	1	0	0	0	1	0	0	0	1	1	1	1	0	0			
ANIMAL ID	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1			
	9	9	9	9	9	9	9	9	0	0	0	0	0	0	0	0	0	0			
	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0		

Alimentary System

Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Gallbladder	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Intestine Small, Ileum	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Histiocytic Sarcoma	X																			2
Lymphoma Malignant Mixed						X												X		5
Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Hepatocellular Adenoma			X		X	X														11
Hepatocellular Adenoma, Multiple															X					1
Hepatocellular Carcinoma										X										3
Hepatocellular Carcinoma, Multiple																				1
Histiocytic Sarcoma	X																			4
Lymphoma Malignant Lymphocytic																				4
Lymphoma Malignant Mixed						X											X			4
Mesentery	+			+								+	+							6
Hemangiosarcoma				X																1
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: 05121-08  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: Mouse/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL  
 Test Compound: Scopolamine hydrobromide trihydrate  
 CAS Number: 6533-68-2

Date Report Requested: 10/16/2014  
 Time Report Requested: 06:26:43  
 First Dose M/F: NA / NA  
 Lab: BAT

B6C3F1 Mouse Female 0 MG/KG 20%/36M	DAY ON TEST																				*TOTALS																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1		9	9	9	9	9	9	9	9	0	0	0	0	0	0	0	0	0	0		2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	Lymphoma Malignant Lymphocytic																			1	Sarcoma, Metastatic, Skin											X	X							2	Pancreas	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	49	Lymphoma Malignant Mixed									X										1	Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49	Lymphoma Malignant Lymphocytic																			1	Lymphoma Malignant Mixed									X										1	Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	Squamous Cell Papilloma																X			1	Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	Tooth																			2	<b>Cardiovascular System</b>																				Blood Vessel	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	<b>Endocrine System</b>																				Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	Lymphoma Malignant Lymphocytic																			1	Adrenal Medulla	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49	Pheochromocytoma Benign																			1	Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49	Adenoma																			1	Carcinoma																			2																			
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 X ..Lesion present  
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Experiment Number: 05121-08

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Mouse/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL  
Test Compound: Scopolamine hydrobromide trihydrate  
CAS Number: 6533-68-2

Date Report Requested: 10/16/2014

Time Report Requested: 06:26:43

First Dose M/F: NA / NA

Lab: BAT

B6C3F1 Mouse Female 0 MG/KG 20%/36M	DAY ON TEST																				*TOTALS
	ANIMAL ID		0	1	1	0	1	0	0	0	1	0	0	0	1	1	1	1	0	0	
			5	0	0	7	0	7	9	9	0	6	9	5	7	0	0	0	9	8	
			5	8	8	9	8	7	0	2	8	1	0	3	3	5	8	8	8	3	7
			5	7	7	6	7	1	1	8	7	1	1	7	7	0	7	7	8	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	1	1	1	1	1	1	1	1	1	1	
			9	9	9	9	9	9	9	9	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	
Parathyroid Gland	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	45
Pituitary Gland	+	+	+	+	+	M	+	M	M	+	+	+	M	+	+	+	+	+	+	+	42
Pars Distalis, Adenoma		X																			3
Pars Intermed, Adenoma																					4
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Follicular Cel, Adenoma																					1
Lymphoma Malignant Mixed									X												1
<b>General Body System</b>																					
NONE																					
<b>Genital System</b>																					
Clitoral Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Ovary	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Cystadenoma																					1
Granulosa Cell Tumor Benign																					1
Histiocytic Sarcoma	X																				3
Lymphoma Malignant Lymphocytic																					3
Lymphoma Malignant Mixed									X												2
Uterus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Histiocytic Sarcoma	X																				4
Polyp Stromal																					1

\* ..Total animals with tissue examined microscopically; Total animals with tumor  
+ ..Tissue examined microscopically  
X ..Lesion present  
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Experiment Number: 05121-08

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Mouse/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL  
Test Compound: Scopolamine hydrobromide trihydrate  
CAS Number: 6533-68-2

Date Report Requested: 10/16/2014

Time Report Requested: 06:26:44

First Dose M/F: NA / NA

Lab: BAT

B6C3F1 Mouse Female 0 MG/KG 20%/36M	DAY ON TEST																		*TOTALS
	0	1	1	0	1	0	0	0	1	0	0	0	1	1	1	1	0	0	
ANIMAL ID	5	0	0	7	0	7	9	9	0	6	9	5	7	0	0	0	9	8	
	5	8	8	9	8	7	0	2	8	1	0	3	3	5	8	8	8	3	
	5	7	7	6	7	1	1	8	7	1	1	7	7	0	7	7	8	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	1	1	1	1	1	1	1	1	1	1	
	9	9	9	9	9	9	9	9	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	
Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Hemangiosarcoma										X									2
Hemangiosarcoma, Multiple				X															1
Histiocytic Sarcoma																			1
Lymphoma Malignant Lymphocytic																			2
Lymphoma Malignant Mixed																			1
Lymph Node						+							+		+				13
Axillary, Sarcoma, Metastatic, Skin													X						1
Hepatocellular Carcinoma, Metastatic, Liver																			1
Histiocytic Sarcoma																			2
Lymphoma Malignant Lymphocytic																			4
Lymphoma Malignant Mixed							X												4
Pancreatic, Sarcoma, Metastatic, Skin														X					1
Lymph Node, Mandibular	+	+	+	+	+	M	M	+	+	+	+	+	+	+	+	+	+	+	45
Histiocytic Sarcoma																			1
Lymphoma Malignant Lymphocytic																			2
Lymphoma Malignant Mixed									X								X		4
Mast Cell Tumor Nos																			1
Lymph Node, Mediastinal						+		+					+				+		12
Histiocytic Sarcoma																			1
Lymphoma Malignant Lymphocytic																			4
Lymphoma Malignant Mixed						X		X									X		6
Sarcoma, Metastatic, Skin													X						1

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

+ ..Tissue examined microscopically

X ..Lesion present

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 Route: GAVAGE  
 Species/Strain: Mouse/B6C3F1

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 Test Compound: Scopolamine hydrobromide trihydrate  
 CAS Number: 6533-68-2

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B6C3F1 Mouse Female 0 MG/KG 20%/36M	DAY ON TEST																		*TOTALS	
	0	1	1	0	1	0	0	0	1	0	0	0	0	1	1	1	1	0		0
	5	0	0	7	0	7	9	9	0	6	9	5	7	0	0	0	0	9		8
ANIMAL ID	5	8	8	9	8	7	0	2	8	1	0	3	3	5	8	8	8	3	7	
	5	7	7	6	7	1	1	8	7	1	1	7	7	0	7	7	7	8	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	1	1	1	1	1	1	1	1	1	1	1	
	9	9	9	9	9	9	9	9	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	
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Histiocytic Sarcoma																				
Lymphoma Malignant Lymphocytic																				
Lymphoma Malignant Mixed			X			X		X										X		
Spleen	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Hemangiosarcoma										X										
Histiocytic Sarcoma																				
Lymphoma Malignant Lymphocytic																				
Lymphoma Malignant Mixed			X			X		X										X		
Thymus	M	+	+	M	M	+	+	+	+	+	+	+	+	+	+	+	M	M	+	
Histiocytic Sarcoma																				
Lymphoma Malignant Lymphocytic																				
Lymphoma Malignant Mixed																				
<b>Integumentary System</b>																				
Mammary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Lymphoma Malignant Mixed																				
Skin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Subcut Tiss, Fibrosarcoma																				
Subcut Tiss, Sarcoma								X				X	X	X						
<b>Musculoskeletal System</b>																				
Bone	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	

\* ..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: 05121-08

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Mouse/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL  
Test Compound: Scopolamine hydrobromide trihydrate  
CAS Number: 6533-68-2

Date Report Requested: 10/16/2014

Time Report Requested: 06:26:44

First Dose M/F: NA / NA

Lab: BAT

B6C3F1 Mouse Female 0 MG/KG 20%/36M	DAY ON TEST																				*TOTALS
	0	1	1	0	1	0	0	0	1	0	0	0	0	1	1	1	1	0	0		
	5	0	0	7	0	7	9	9	0	6	9	5	7	0	0	0	0	9	8		
	5	8	8	9	8	7	0	2	8	1	0	3	3	5	8	8	8	3	7		
	5	7	7	6	7	1	1	8	7	1	1	7	7	0	7	7	7	8	5		
ANIMAL ID	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1		
	9	9	9	9	9	9	9	9	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		

**Nervous System**

Brain	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Astrocytoma Malignant																			X	1
Lymphoma Malignant Lymphocytic																				2
Peripheral Nerve				+																1
Spinal Cord				+																1

**Respiratory System**

Lung	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Alveolar/Bronchiolar Adenoma	X																			2
Alveolar/Bronchiolar Carcinoma																				3
Hepatocellular Carcinoma, Metastatic, Liver																				2
Histiocytic Sarcoma																				2
Lymphoma Malignant Lymphocytic																				2
Lymphoma Malignant Mixed								X												2
Mediastinum, Lymphoma Malignant Mixed								X										X		2
Nose	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Trachea	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50

**Special Senses System**

Ear															+					1
Eye																				1
Harderian Gland	M	+	M	M	+	+	M	+	M	M	M	+	M	M	+	+	M	+	+	22

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+ ..Tissue examined microscopically  
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Experiment Number: 05121-08

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Mouse/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL  
Test Compound: Scopolamine hydrobromide trihydrate  
CAS Number: 6533-68-2

Date Report Requested: 10/16/2014

Time Report Requested: 06:26:44

First Dose M/F: NA / NA

Lab: BAT

B6C3F1 Mouse Female 0 MG/KG 20%/36M	DAY ON TEST	0	1	1	0	1	0	0	0	1	0	0	0	0	1	1	1	1	0	0
	ANIMAL ID	5	0	0	7	0	7	9	9	0	6	9	5	7	0	0	0	0	9	8
	5	8	8	9	8	7	0	2	8	1	0	3	3	5	8	8	8	3	7	
	5	7	7	6	7	1	1	8	7	1	1	7	7	0	7	7	7	8	5	
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	
	9	9	9	9	9	9	9	9	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	
		<b>*TOTALS</b>																		

**Urinary System**

Kidney	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Histiocytic Sarcoma																				2
Lymphoma Malignant Lymphocytic																				3
Lymphoma Malignant Mixed			X															X		4
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Lymphoma Malignant Lymphocytic																				1

**SYSTEMIC LESIONS**

Multiple Organ	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Histiocytic Sarcoma	X																			5
Lymphoma Malignant Lymphocytic																				5
Lymphoma Malignant Mixed			X		X	X											X			9

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**Date Report Requested:** 10/16/2014  
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**First Dose M/F:** NA / NA  
**Lab:** BAT

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
<b>B6C3F1 Mouse Female</b>	7	7	7	7	7	4	6	7	7	7	7	7	7	4	7	4	4	4	7	7	7	7	4	5	4	7	4	7	7	6	4		
<b>25 MG/KG104/WEEK</b>	2	2	2	2	2	5	4	2	2	2	2	2	2	5	2	5	5	0	2	2	2	2	5	3	5	2	5	2	2	6	5		
	3	3	3	3	3	6	4	3	3	3	3	3	3	6	3	6	6	0	3	3	3	3	6	8	6	3	6	3	3	6	6		
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
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	3	3	3	3	3	3	3	3	3	3	3	4	4	1	
	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	0	

**Alimentary System**

Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		
Gallbladder	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		
Lymphoma Malignant Mixed										X																								
Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		
Hepatocellular Adenoma										X				X																			X	
Histiocytic Sarcoma							X					X																						
Lymphoma Malignant Mixed										X																								
Osteosarcoma, Metastatic, Bone																																		X
Pancreas	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+

**Cardiovascular System**

Blood Vessel	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+

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Experiment Number: 05121-08  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: Mouse/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL  
 Test Compound: Scopolamine hydrobromide trihydrate  
 CAS Number: 6533-68-2

Date Report Requested: 10/16/2014  
 Time Report Requested: 06:26:45  
 First Dose M/F: NA / NA  
 Lab: BAT

DAY ON TEST	ANIMAL ID																														
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B6C3F1 Mouse Female 25 MG/KG104/WEEK	7	7	7	7	7	4	6	7	7	7	7	7	4	7	4	4	4	7	7	7	7	4	5	4	7	4	7	7	6	4	
	2	2	2	2	2	5	4	2	2	2	2	2	2	5	2	5	5	0	2	2	2	2	5	3	5	2	5	2	2	6	5
	3	3	3	3	3	6	4	3	3	3	3	3	3	6	3	6	6	0	3	3	3	3	6	8	6	3	6	3	6	6	

Pericardium, Osteosarcoma, Metastatic, Bone	X																													
<b>Endocrine System</b>																														
Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Pheochromocytoma Benign																														X
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Parathyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	M	+	M	+	+	+	+	+	+	+	+	M
Pituitary Gland	+	M	+	+	+	+	+	M	+	+	M	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Pars Distalis, Adenoma																														
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
<b>General Body System</b>																														
Tissue NOS																														
<b>Genital System</b>																														
Clitoral Gland	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Ovary	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Uterus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Histiocytic Sarcoma																														
Polyp Stromal																														
<b>Hematopoietic System</b>																														
Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+

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DAY ON TEST	ANIMAL ID																															
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
<b>B6C3F1 Mouse Female</b>	7	7	7	7	7	4	6	7	7	7	7	7	7	4	7	4	4	4	7	7	7	7	4	5	4	7	4	7	7	6	4	
<b>25 MG/KG104/WEEK</b>	2	2	2	2	2	5	4	2	2	2	2	2	2	5	2	5	5	0	2	2	2	2	5	3	5	2	5	2	2	6	5	
	3	3	3	3	3	6	4	3	3	3	3	3	3	6	3	6	6	0	3	3	3	3	6	8	6	3	6	3	3	6	6	
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	3	3	3	3	3	3	3	3	3	4	4	1	
	1	2	3	4	5	6	7	8	9	0	1	2	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1

Histiocytic Sarcoma	X																														
Lymph Node, Bronchial																															
Lymph Node, Mandibular	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Histiocytic Sarcoma	X																														
Lymphoma Malignant Mixed																															
Lymph Node, Mediastinal	+																														
Histiocytic Sarcoma	X																														
Lymphoma Malignant Mixed																															
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Histiocytic Sarcoma	X																														
Lymphoma Malignant Mixed																															
Spleen	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Histiocytic Sarcoma	X																														
Lymphoma Malignant Mixed																															
Thymus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Osteosarcoma, Metastatic, Bone	X																														

**Integumentary System**

Mammary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Skin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Basal Cell Adenoma																															

**Musculoskeletal System**

Bone	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
------	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

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DAY ON TEST	ANIMAL ID																														
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
<b>B6C3F1 Mouse Female</b>	7	7	7	7	7	4	6	7	7	7	7	7	7	4	7	4	4	4	7	7	7	7	4	5	4	7	4	7	7	6	4
<b>25 MG/KG104/WEEK</b>	2	2	2	2	2	5	4	2	2	2	2	2	2	5	2	5	5	0	2	2	2	2	5	3	5	2	5	2	2	6	5
	3	3	3	3	3	6	4	3	3	3	3	3	3	6	3	6	6	0	3	3	3	3	6	8	6	3	6	3	3	6	6

Vertebra, Osteosarcoma

X

**Nervous System**

Brain	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Peripheral Nerve																															
Spinal Cord																															

**Respiratory System**

Lung	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Alveolar/Bronchiolar Adenoma																															
Histiocytic Sarcoma																															
Osteosarcoma, Metastatic, Bone																															
Nose	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Trachea	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+

**Special Senses System**

Ear																															
Harderian Gland	+	M	+	+	M	M	M	+	+	+	M	M	+	+	M	+	M	M	+	+	M	M	M	+	+	M	M	+	+	M	M

**Urinary System**

Kidney	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Lymphoma Malignant Mixed																															
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+

**SYSTEMIC LESIONS**

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M ..Missing tissue  
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 BLANK ..Not examined microscopically

Experiment Number: 05121-08

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Mouse/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL  
Test Compound: Scopolamine hydrobromide trihydrate  
CAS Number: 6533-68-2

Date Report Requested: 10/16/2014

Time Report Requested: 06:26:45

First Dose M/F: NA / NA

Lab: BAT

B6C3F1 Mouse Female 25 MG/KG104/WEEK	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			
	ANIMAL ID	7	7	7	7	7	4	6	7	7	7	7	7	7	4	7	4	4	4	7	7	7	7	4	5	4	7	4	7	7	6	4
		2	2	2	2	2	5	4	2	2	2	2	2	2	5	2	5	5	0	2	2	2	2	5	3	5	2	5	2	2	6	5
		3	3	3	3	3	6	4	3	3	3	3	3	3	6	3	6	6	0	3	3	3	3	6	8	6	3	6	3	3	6	6
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
		1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	3	3	3	3	3	3	3	3	3	3	4	4
		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
Multiple Organ		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Histiocytic Sarcoma								X									X															
Lymphoma Malignant Mixed											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: 05121-08  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: Mouse/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL  
 Test Compound: Scopolamine hydrobromide trihydrate  
 CAS Number: 6533-68-2

Date Report Requested: 10/16/2014  
 Time Report Requested: 06:26:45  
 First Dose M/F: NA / NA  
 Lab: BAT

B6C3F1 Mouse Female 25 MG/KG104/WEEK	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
	7	7	7	7	7	7	7	4	7	7	7	3	5	7	7	7	7	7	7	7	7	7	7	7	7	7	7	4	7
	2	2	2	2	2	2	2	5	2	2	2	7	9	2	2	2	2	2	2	2	2	2	2	2	2	2	2	5	2
	3	3	3	3	3	3	3	6	3	3	3	8	7	3	3	3	3	3	3	3	3	3	3	3	3	3	3	6	3
ANIMAL ID	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	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
	4	4	4	4	4	4	4	4	4	5	5	5	5	5	5	5	5	5	5	5	6	6	6	6	6	6	6	6	7
	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

**Alimentary System**

Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Gallbladder	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Lymphoma Malignant Mixed		X									X																		
Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Hepatocellular Adenoma																													
Histiocytic Sarcoma													X																
Lymphoma Malignant Mixed																													
Osteosarcoma, Metastatic, Bone																													
Pancreas	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+

**Cardiovascular System**

Blood Vessel	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+

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 X ..Lesion present  
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 BLANK ..Not examined microscopically

Experiment Number: 05121-08  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: Mouse/B6C3F1

**P04: NEOPLASMS BY INDIVIDUAL ANIMAL**  
 Test Compound: Scopolamine hydrobromide trihydrate  
 CAS Number: 6533-68-2

Date Report Requested: 10/16/2014  
 Time Report Requested: 06:26:46  
 First Dose M/F: NA / NA  
 Lab: BAT

DAY ON TEST	ANIMAL ID																												
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>B6C3F1 Mouse Female</b>	7	7	7	7	7	7	7	4	7	7	7	3	5	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
<b>25 MG/KG104/WEEK</b>	2	2	2	2	2	2	2	5	2	2	2	7	9	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
	3	3	3	3	3	3	3	6	3	3	3	8	7	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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	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
	4	4	4	4	4	4	4	4	5	5	5	5	5	5	5	5	5	5	5	6	6	6	6	6	6	6	6	6	7
	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

Pericardium, Osteosarcoma, Metastatic, Bone

**Endocrine System**

Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Pheochromocytoma Benign																														
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Parathyroid Gland	+	+	M	+	+	+	M	+	+	+	M	+	+	M	M	+	+	+	+	+	+	+	+	+	+	M	M	+	+	
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Pars Distalis, Adenoma																														
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+

**General Body System**

Tissue NOS																														+
------------	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	---

**Genital System**

Clitoral Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Ovary	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Uterus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Histiocytic Sarcoma														X																
Polyp Stromal																												X		X

**Hematopoietic System**

Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
-------------	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

\* ..Total animals with tissue examined microscopically; Total animals with tumor  
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Experiment Number: 05121-08  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: Mouse/B6C3F1

**P04: NEOPLASMS BY INDIVIDUAL ANIMAL**  
 Test Compound: Scopolamine hydrobromide trihydrate  
 CAS Number: 6533-68-2

Date Report Requested: 10/16/2014  
 Time Report Requested: 06:26:46  
 First Dose M/F: NA / NA  
 Lab: BAT

DAY ON TEST	ANIMAL ID																													
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
<b>B6C3F1 Mouse Female</b>	7	7	7	7	7	7	7	4	7	7	7	3	5	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	
<b>25 MG/KG104/WEEK</b>	2	2	2	2	2	2	2	5	2	2	2	7	9	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	
	3	3	3	3	3	3	3	6	3	3	3	8	7	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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	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	
	4	4	4	4	4	4	4	4	5	5	5	5	5	5	5	5	5	5	5	5	6	6	6	6	6	6	6	6	6	
	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	
Histiocytic Sarcoma																														
Lymph Node, Bronchial																														
Lymph Node, Mandibular	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Histiocytic Sarcoma																														
Lymphoma Malignant Mixed		X																												
Lymph Node, Mediastinal																														
Histiocytic Sarcoma																														
Lymphoma Malignant Mixed																														
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Histiocytic Sarcoma																														
Lymphoma Malignant Mixed		X																												
Spleen	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Histiocytic Sarcoma																														
Lymphoma Malignant Mixed		X																												
Thymus	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Osteosarcoma, Metastatic, Bone																														
<b>Integumentary System</b>																														
Mammary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Skin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Basal Cell Adenoma																														
<b>Musculoskeletal System</b>																														
Bone	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+

\* ..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: 05121-08  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: Mouse/B6C3F1

**P04: NEOPLASMS BY INDIVIDUAL ANIMAL**  
 Test Compound: Scopolamine hydrobromide trihydrate  
 CAS Number: 6533-68-2

Date Report Requested: 10/16/2014  
 Time Report Requested: 06:26:46  
 First Dose M/F: NA / NA  
 Lab: BAT

DAY ON TEST	ANIMAL ID																												
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>B6C3F1 Mouse Female</b>	7	7	7	7	7	7	7	4	7	7	7	3	5	7	7	7	7	7	7	7	7	7	7	7	7	7	7	4	7
<b>25 MG/KG104/WEEK</b>	2	2	2	2	2	2	2	5	2	2	2	7	9	2	2	2	2	2	2	2	2	2	2	2	2	2	2	5	2
	3	3	3	3	3	3	3	6	3	3	3	8	7	3	3	3	3	3	3	3	3	3	3	3	3	3	3	6	3
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	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
	4	4	4	4	4	4	4	4	5	5	5	5	5	5	5	5	5	5	5	6	6	6	6	6	6	6	6	6	7
	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

Vertebra, Osteosarcoma

**Nervous System**

Brain	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Peripheral Nerve																													
Spinal Cord																													

**Respiratory System**

Lung	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Alveolar/Bronchiolar Adenoma				X																									
Histiocytic Sarcoma																													
Osteosarcoma, Metastatic, Bone																													
Nose	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Trachea	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+

**Special Senses System**

Ear																													
Harderian Gland	+	M	+	M	M	M	+	M	M	+	+	M	M	M	M	M	M	M	+	+	+	M	M	+	M	+	M	M	+

**Urinary System**

Kidney	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Lymphoma Malignant Mixed				X																									
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+

**SYSTEMIC LESIONS**

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 + ..Tissue examined microscopically  
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Experiment Number: 05121-08

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Mouse/B6C3F1

**P04: NEOPLASMS BY INDIVIDUAL ANIMAL**  
Test Compound: Scopolamine hydrobromide trihydrate  
CAS Number: 6533-68-2

Date Report Requested: 10/16/2014

Time Report Requested: 06:26:46

First Dose M/F: NA / NA

Lab: BAT

DAY ON TEST	ANIMAL ID																																						
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
7	7	7	7	7	7	7	7	4	7	7	7	3	5	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	4	7	7	7		
2	2	2	2	2	2	2	2	5	2	2	2	7	9	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	5	2	
3	3	3	3	3	3	3	3	6	3	3	3	8	7	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	6	3		
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
4	4	4	4	4	4	4	4	4	4	4	4	5	5	5	5	5	5	5	5	5	5	5	6	6	6	6	6	6	6	6	6	6	6	6	6	6	7		
2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9		
Multiple Organ	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Histiocytic Sarcoma														X																									
Lymphoma Malignant Mixed		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: 05121-08  
Test Type: CHRONIC  
Route: GAVAGE  
Species/Strain: Mouse/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL  
Test Compound: Scopolamine hydrobromide trihydrate  
CAS Number: 6533-68-2

Date Report Requested: 10/16/2014  
Time Report Requested: 06:26:46  
First Dose M/F: NA / NA  
Lab: BAT

DAY ON TEST

**B6C3F1 Mouse Female**  
**25 MG/KG104/WEEK**

ANIMAL ID

\*TOTALS

**Alimentary System**

Esophagus	60
Gallbladder	60
Intestine Large, Cecum	60
Intestine Large, Colon	60
Intestine Large, Rectum	60
Intestine Small, Duodenum	60
Intestine Small, Ileum	60
Intestine Small, Jejunum	60
Lymphoma Malignant Mixed	3
Liver	60
Hepatocellular Adenoma	3
Histiocytic Sarcoma	3
Lymphoma Malignant Mixed	1
Osteosarcoma, Metastatic, Bone	1
Pancreas	60
Salivary Glands	60
Stomach, Forestomach	60
Stomach, Glandular	60

**Cardiovascular System**

Blood Vessel	60
Heart	60

\* ..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:** 05121-08  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P04: NEOPLASMS BY INDIVIDUAL ANIMAL**  
**Test Compound:** Scopolamine hydrobromide trihydrate  
**CAS Number:** 6533-68-2

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 06:26:46  
**First Dose M/F:** NA / NA  
**Lab:** BAT

DAY ON TEST

**B6C3F1 Mouse Female**  
**25 MG/KG104/WEEK**

ANIMAL ID

\*TOTALS

Pericardium, Osteosarcoma, Metastatic, Bone	1
<b>Endocrine System</b>	
Adrenal Cortex	60
Adrenal Medulla	60
Pheochromocytoma Benign	1
Islets, Pancreatic	60
Parathyroid Gland	49
Pituitary Gland	56
Pars Distalis, Adenoma	1
Thyroid Gland	59
<b>General Body System</b>	
Tissue NOS	1
<b>Genital System</b>	
Clitoral Gland	59
Ovary	60
Uterus	60
Histiocytic Sarcoma	1
Polyp Stromal	2
<b>Hematopoietic System</b>	
Bone Marrow	60
Histiocytic Sarcoma	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:** 05121-08  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P04: NEOPLASMS BY INDIVIDUAL ANIMAL**  
**Test Compound:** Scopolamine hydrobromide trihydrate  
**CAS Number:** 6533-68-2

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 06:26:46  
**First Dose M/F:** NA / NA  
**Lab:** BAT

DAY ON TEST

**B6C3F1 Mouse Female**  
**25 MG/KG104/WEEK**

ANIMAL ID	*TOTALS
Lymph Node, Bronchial	1
Lymph Node, Mandibular	58
Histiocytic Sarcoma	1
Lymphoma Malignant Mixed	1
Lymph Node, Mediastinal	4
Histiocytic Sarcoma	2
Lymphoma Malignant Mixed	1
Lymph Node, Mesenteric	60
Histiocytic Sarcoma	2
Lymphoma Malignant Mixed	2
Spleen	60
Histiocytic Sarcoma	2
Lymphoma Malignant Mixed	2
Thymus	59
Osteosarcoma, Metastatic, Bone	1
<b>Integumentary System</b>	
Mammary Gland	60
Skin	60
Basal Cell Adenoma	1
<b>Musculoskeletal System</b>	
Bone	60
Vertebra, Osteosarcoma	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:** 05121-08  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P04: NEOPLASMS BY INDIVIDUAL ANIMAL**  
**Test Compound:** Scopolamine hydrobromide trihydrate  
**CAS Number:** 6533-68-2

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 06:26:46  
**First Dose M/F:** NA / NA  
**Lab:** BAT

DAY ON TEST

**B6C3F1 Mouse Female**  
**25 MG/KG104/WEEK**

ANIMAL ID

**\*TOTALS**

**Nervous System**

Brain	60
Peripheral Nerve	3
Spinal Cord	1

**Respiratory System**

Lung	60
Alveolar/Bronchiolar Adenoma	2
Histiocytic Sarcoma	1
Osteosarcoma, Metastatic, Bone	1
Nose	59
Trachea	59

**Special Senses System**

Ear	1
Harderian Gland	26

**Urinary System**

Kidney	60
Lymphoma Malignant Mixed	1
Urinary Bladder	60

**SYSTEMIC LESIONS**

Multiple Organ	60
Histiocytic Sarcoma	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

**Experiment Number:** 05121-08

**Test Type:** CHRONIC

**Route:** GAVAGE

**Species/Strain:** Mouse/B6C3F1

**P04: NEOPLASMS BY INDIVIDUAL ANIMAL**  
**Test Compound:** Scopolamine hydrobromide trihydrate  
**CAS Number:** 6533-68-2

**Date Report Requested:** 10/16/2014

**Time Report Requested:** 06:26:46

**First Dose M/F:** NA / NA

**Lab:** BAT

DAY ON TEST

**B6C3F1 Mouse Female**  
**25 MG/KG104/WEEK**

ANIMAL ID

\*TOTALS

Lymphoma Malignant Mixed

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

Experiment Number: 05121-08  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: Mouse/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL  
 Test Compound: Scopolamine hydrobromide trihydrate  
 CAS Number: 6533-68-2

Date Report Requested: 10/16/2014  
 Time Report Requested: 06:26:46  
 First Dose M/F: NA / NA  
 Lab: BAT

B6C3F1 Mouse Female 25 MG/KG20%/36M	DAY ON TEST	0	1	1	1	1	0	1	0	1	1	0	1	0	1	1	1	0	0	1	1	1	1	0	0	0	1	1	1	1	1	0	8
	ANIMAL ID	6	0	0	0	0	8	0	9	0	0	7	0	9	0	0	0	8	8	0	0	0	0	9	5	7	0	0	0	0	0	0	8
	7	8	8	0	8	3	5	6	8	6	3	8	8	1	8	8	0	4	8	8	8	8	7	6	9	4	5	8	8	8	8	5	
	9	7	7	7	7	0	6	1	7	9	7	7	0	6	7	7	3	8	7	7	7	7	2	1	0	5	6	7	7	7	7	9	
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	
	7	7	7	7	7	7	7	7	7	8	8	8	8	8	8	8	8	8	8	8	9	9	9	9	9	9	9	9	9	0	0		
	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1		

Alimentary System

Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Gallbladder	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Lymphoma Malignant Lymphocytic																																	X
Lymphoma Malignant Mixed																																	X
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Lymphoma Malignant Mixed												X																					
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Small, Jejunum	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Lymphoma Malignant Mixed												X																					X
Sarcoma, Metastatic, Skin																																	
Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Hepatocellular Adenoma				X							X					X																X	
Hepatocellular Adenoma, Multiple														X																			
Hepatocellular Carcinoma														X																			
Histiocytic Sarcoma	X								X							X							X										
Lymphoma Malignant Lymphocytic																									X		X	X					
Lymphoma Malignant Mixed														X											X								
Mesentery										+															+	+							+

\* ..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: 05121-08

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Mouse/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL  
 Test Compound: Scopolamine hydrobromide trihydrate  
 CAS Number: 6533-68-2

Date Report Requested: 10/16/2014

Time Report Requested: 06:26:47

First Dose M/F: NA / NA

Lab: BAT

DAY ON TEST	0	1	1	1	1	0	1	0	1	1	0	1	0	1	1	0	0	1	1	1	1	0	0	0	1	1	1	1	0	8
	6	0	0	0	0	8	0	9	0	0	7	0	9	0	0	8	8	0	0	0	0	0	9	5	7	0	0	0	0	8
ANIMAL ID	7	8	8	0	8	3	5	6	8	6	3	8	8	1	8	8	0	4	8	8	8	8	7	6	9	4	5	8	5	
	9	7	7	7	7	0	6	1	7	9	7	7	0	6	7	7	3	8	8	7	7	7	2	1	0	5	6	7	9	
Histiocytic Sarcoma	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Lymphoma Malignant Lymphocytic	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Lymphoma Malignant Mixed	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2
Sarcoma, Metastatic, Skin	7	7	7	7	7	7	7	7	7	8	8	8	8	8	8	8	8	8	8	8	8	9	9	9	9	9	9	9	0	0
Pancreas	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
Lymphoma Malignant Lymphocytic																														
Lymphoma Malignant Mixed																														
Sarcoma, Metastatic, Skin																														
Salivary Glands																														
Lymphoma Malignant Lymphocytic																														
Stomach, Forestomach																														
Lymphoma Malignant Lymphocytic																														
Stomach, Glandular																														
Lymphoma Malignant Lymphocytic																														
Tooth																														
Histiocytic Sarcoma																														
<b>Cardiovascular System</b>																														
Blood Vessel																														
Heart																														
Lymphoma Malignant Lymphocytic																														
<b>Endocrine System</b>																														
Adrenal Cortex																														

\* ..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: 05121-08

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Mouse/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
Test Compound: Scopolamine hydrobromide trihydrate
CAS Number: 6533-68-2

Date Report Requested: 10/16/2014

Time Report Requested: 06:26:47

First Dose M/F: NA / NA

Lab: BAT

Table with columns for DAY ON TEST and ANIMAL ID, and rows for B6C3F1 Mouse Female and 25 MG/KG20%/36M. The table contains numerical data for each animal across different days.

Lymphoma Malignant Lymphocytic

X X

Lymphoma Malignant Mixed

Adrenal Medulla

+ +

Pheochromocytoma Benign

Islets, Pancreatic

+ +

Adenoma

X

Parathyroid Gland

+ M + +

Pituitary Gland

+ M

Histiocytic Sarcoma

Pars Distalis, Adenoma

X

Pars Intermed, Adenoma

X X

Thyroid Gland

+ +

Bilateral, Follicular Cel, Adenoma

X

Follicular Cel, Carcinoma

X

Lymphoma Malignant Lymphocytic

X

General Body System

NONE

Genital System

Clitoral Gland

+ +

Ovary

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

Adenoma

Adenoma, Tubular

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

M ..Missing tissue

+ ..Tissue examined microscopically

A ..Autolysis precludes evaluation

X ..Lesion present

BLANK ..Not examined microscopically

I ..Insufficient tissue

Experiment Number: 05121-08

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Mouse/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
Test Compound: Scopolamine hydrobromide trihydrate
CAS Number: 6533-68-2

Date Report Requested: 10/16/2014

Time Report Requested: 06:26:48

First Dose M/F: NA / NA

Lab: BAT

Table with columns for DAY ON TEST (0-36) and ANIMAL ID (0-36). Rows include B6C3F1 Mouse Female and 25 MG/KG20%/36M.

Table listing various tumor types and findings such as Cystadenoma, Histiocytic Sarcoma, Lymphoma Malignant Lymphocytic, etc., with corresponding presence (+) or absence (X) markers.

\* ..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: 05121-08

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Mouse/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
Test Compound: Scopolamine hydrobromide trihydrate
CAS Number: 6533-68-2

Date Report Requested: 10/16/2014

Time Report Requested: 06:26:48

First Dose M/F: NA / NA

Lab: BAT

Table with columns for DAY ON TEST (0-36) and ANIMAL ID (0-36). Rows include B6C3F1 Mouse Female and 25 MG/KG20%/36M.

Table with columns for various tumor types (e.g., Pancreatic, Lymphoma Malignant Lymphocytic) and rows for animal IDs 0-36, showing presence (+) or absence (X) of lesions.

\* ..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:** 05121-08  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P04: NEOPLASMS BY INDIVIDUAL ANIMAL**  
**Test Compound:** Scopolamine hydrobromide trihydrate  
**CAS Number:** 6533-68-2

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 06:26:48  
**First Dose M/F:** NA / NA  
**Lab:** BAT

| DAY ON TEST                    | ANIMAL ID |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|--------------------------------|-----------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
|                                | 0         | 1 | 1 | 1 | 1 | 0 | 1 | 0 | 1 | 1 | 0 | 1 | 0 | 1 | 1 | 0 | 0 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 |
| <b>B6C3F1 Mouse Female</b>     | 6         | 0 | 0 | 0 | 0 | 8 | 0 | 9 | 0 | 0 | 7 | 0 | 9 | 0 | 0 | 8 | 8 | 0 | 0 | 0 | 0 | 9 | 5 | 7 | 0 | 0 | 0 | 0 | 0 | 8 |
| <b>25 MG/KG20%/36M</b>         | 7         | 8 | 8 | 0 | 8 | 3 | 5 | 6 | 8 | 6 | 3 | 8 | 8 | 1 | 8 | 8 | 0 | 4 | 8 | 8 | 8 | 8 | 7 | 6 | 9 | 4 | 5 | 8 | 8 | 8 |
|                                | 9         | 7 | 7 | 7 | 7 | 0 | 6 | 1 | 7 | 9 | 7 | 7 | 0 | 6 | 7 | 7 | 3 | 8 | 7 | 7 | 7 | 2 | 1 | 0 | 5 | 6 | 7 | 7 | 7 | 9 |
|                                | 0         | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|                                | 0         | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|                                | 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 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
|                                | 1         | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 |
| Lymphoma Malignant Mixed       |           |   |   |   |   |   |   |   |   | X |   |   | X |   |   |   |   |   |   |   |   |   |   |   | X |   |   |   |   | X |
| <b>Integumentary System</b>    |           |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Mammary Gland                  | +         | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Skin                           | +         | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Squamous Cell Carcinoma        |           |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Subcut Tiss, Sarcoma           |           |   |   |   |   |   |   |   | X |   |   |   |   |   | X |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| <b>Musculoskeletal System</b>  |           |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Bone                           | +         | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Osteosarcoma                   |           |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| <b>Nervous System</b>          |           |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Brain                          | +         | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Histiocytic Sarcoma            |           |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Lymphoma Malignant Lymphocytic |           |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | X |   |   |
| <b>Respiratory System</b>      |           |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Lung                           | +         | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Alveolar/Bronchiolar Adenoma   |           |   |   | X |   | X |   |   |   |   |   |   |   |   |   | X |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Alveolar/Bronchiolar Carcinoma |           |   |   |   |   |   |   |   |   |   |   | X |   |   |   |   |   | X |   |   |   |   |   |   |   |   |   |   |   |   |
| Histiocytic Sarcoma            |           |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | X |   |   |   |   |   |   |   |   |
| Lymphoma Malignant Lymphocytic |           |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | X |   |   | X | X |   |   |   |
| Lymphoma Malignant Mixed       |           |   |   |   |   |   |   |   |   |   | X |   |   |   |   |   |   |   |   |   |   |   | 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: 05121-08

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Mouse/B6C3F1

**P04: NEOPLASMS BY INDIVIDUAL ANIMAL**

Test Compound: Scopolamine hydrobromide trihydrate

CAS Number: 6533-68-2

Date Report Requested: 10/16/2014

Time Report Requested: 06:26:49

First Dose M/F: NA / NA

Lab: BAT

| B6C3F1 Mouse Female<br>25 MG/KG20%/36M | DAY ON TEST           |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |   |   |   |   |   |   |
|--|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|---|---|---|---|---|---|
|  | 0<br>6<br>7<br>9      | 1<br>0<br>8<br>7      | 1<br>0<br>8<br>7      | 1<br>0<br>8<br>7      | 1<br>0<br>8<br>7      | 0<br>8<br>3<br>0      | 1<br>0<br>5<br>6      | 0<br>9<br>6<br>1      | 1<br>0<br>8<br>7      | 1<br>0<br>6<br>3      | 0<br>7<br>3<br>0      | 1<br>0<br>8<br>7      | 0<br>9<br>8<br>6      | 1<br>0<br>8<br>7      | 1<br>0<br>8<br>7      | 0<br>8<br>3<br>0      | 0<br>8<br>4<br>8      | 1<br>0<br>8<br>7      | 1<br>0<br>8<br>7      | 1<br>0<br>8<br>7      | 1<br>0<br>9<br>2      | 0<br>5<br>6<br>1      | 0<br>7<br>9<br>0      | 0<br>4<br>5<br>5      | 1<br>0<br>8<br>7      | 1<br>0<br>8<br>7      | 1<br>0<br>8<br>7      | 1<br>0<br>8<br>7      | 0<br>8<br>5<br>9      |                       |   |   |   |   |   |   |
| ANIMAL ID                              | 0<br>0<br>1<br>7<br>1 | 0<br>0<br>1<br>7<br>2 | 0<br>0<br>1<br>7<br>3 | 0<br>0<br>1<br>7<br>4 | 0<br>0<br>1<br>7<br>5 | 0<br>0<br>1<br>7<br>6 | 0<br>0<br>1<br>7<br>7 | 0<br>0<br>1<br>7<br>8 | 0<br>0<br>1<br>7<br>9 | 0<br>0<br>1<br>7<br>0 | 0<br>0<br>1<br>7<br>1 | 0<br>0<br>1<br>7<br>2 | 0<br>0<br>1<br>7<br>3 | 0<br>0<br>1<br>7<br>4 | 0<br>0<br>1<br>7<br>5 | 0<br>0<br>1<br>7<br>6 | 0<br>0<br>1<br>7<br>7 | 0<br>0<br>1<br>7<br>8 | 0<br>0<br>1<br>7<br>9 | 0<br>0<br>1<br>7<br>0 | 0<br>0<br>1<br>7<br>1 | 0<br>0<br>1<br>7<br>2 | 0<br>0<br>1<br>7<br>3 | 0<br>0<br>1<br>7<br>4 | 0<br>0<br>1<br>7<br>5 | 0<br>0<br>1<br>7<br>6 | 0<br>0<br>1<br>7<br>7 | 0<br>0<br>1<br>7<br>8 | 0<br>0<br>1<br>7<br>9 | 0<br>0<br>2<br>7<br>0 |   |   |   |   |   |   |
| Nose                                   | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | + | + |   |   |   |   |
| Lymphoma Malignant Mixed               |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |   |   |   |   |   |   |
| Trachea                                | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | + | + |   |   |   |   |
| <b>Special Senses System</b>           |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |   |   |   |   |   |   |
| Ear                                    |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |   |   |   |   |   |   |
| Eye                                    |                       |                       |                       |                       |                       |                       |                       | +                     |                       |                       |                       |                       |                       |                       | +                     |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |   |   |   |   |   |   |
| Harderian Gland                        | M                     | +                     | M                     | +                     | M                     | M                     | M                     | +                     | M                     | M                     | M                     | +                     | +                     | +                     | M                     | +                     | M                     | M                     | +                     | M                     | M                     | M                     | +                     | M                     | +                     | +                     | M                     | M                     | M                     | +                     | + |   |   |   |   |   |
| Adenoma                                |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |   |   |   |   |   |   |
| Bilateral, Adenoma                     |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |   |   |   |   |   |   |
| <b>Urinary System</b>                  |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |   |   |   |   |   |   |
| Kidney                                 | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | + | + | + | + |   |   |
| Histiocytic Sarcoma                    |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |   |   |   |   |   |   |
| Lymphoma Malignant Lymphocytic         |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |   |   |   |   |   |   |
| Lymphoma Malignant Mixed               |                       |                       |                       |                       |                       | X                     |                       |                       |                       |                       |                       |                       |                       |                       | X                     |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |   |   |   |   |   | X |
| Osteosarcoma, Metastatic, Bone         |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |   |   |   |   |   |   |
| Urinary Bladder                        | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | + | + | + | + | + |   |
| Histiocytic Sarcoma                    |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | X                     |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |   |   |   |   |   |   |
| Lymphoma Malignant Lymphocytic         |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |   |   |   |   |   |   |
| <b>SYSTEMIC LESIONS</b>                |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |   |   |   |   |   |   |
| Multiple Organ                         | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | + | + | + | + | + |   |
| Histiocytic Sarcoma                    | 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: 05121-08

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Mouse/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL  
Test Compound: Scopolamine hydrobromide trihydrate  
CAS Number: 6533-68-2

Date Report Requested: 10/16/2014

Time Report Requested: 06:26:49

First Dose M/F: NA / NA

Lab: BAT

| DAY ON TEST                            | ANIMAL ID |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |  |
|--|-----------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|--|
|  | 0679      | 1087 | 1187 | 1187 | 1187 | 0835 | 1096 | 1096 | 1107 | 1107 | 1107 | 1107 | 1107 | 1107 | 1107 | 1107 | 1107 | 1107 | 1107 | 1107 | 1107 | 1107 | 1107 | 1107 | 1107 | 1107 | 1107 | 1107 |  |
| B6C3F1 Mouse Female<br>25 MG/KG20%/36M | 0679      | 1087 | 1187 | 1187 | 1187 | 0835 | 1096 | 1096 | 1107 | 1107 | 1107 | 1107 | 1107 | 1107 | 1107 | 1107 | 1107 | 1107 | 1107 | 1107 | 1107 | 1107 | 1107 | 1107 | 1107 | 1107 | 1107 | 1107 |  |
| Lymphoma Malignant Lymphocytic         |           |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |  |
| Lymphoma Malignant Mixed               |           |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |  |

\* ..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: 05121-08  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: Mouse/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL  
 Test Compound: Scopolamine hydrobromide trihydrate  
 CAS Number: 6533-68-2

Date Report Requested: 10/16/2014  
 Time Report Requested: 06:26:49  
 First Dose M/F: NA / NA  
 Lab: BAT

| B6C3F1 Mouse Female<br>25 MG/KG20%/36M | DAY ON TEST |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | *TOTALS |
|--|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---------|
|  | 1           | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 1 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |         |
|  | 0           | 9 | 9 | 8 | 7 | 0 | 0 | 8 | 0 | 8 | 0 | 8 | 0 | 9 | 9 | 9 | 6 | 7 |   |   |         |
|  | 4           | 9 | 8 | 4 | 0 | 8 | 8 | 4 | 8 | 1 | 8 | 8 | 1 | 1 | 7 | 1 | 5 | 9 | 3 |   |         |
|  | 5           | 5 | 7 | 6 | 3 | 7 | 7 | 8 | 7 | 5 | 7 | 4 | 3 | 4 | 8 | 2 | 9 | 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 |   |         |
|  | 2           | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |   |         |
|  | 0           | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 |   |         |
|  | 2           | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 |   |         |

**Alimentary System**

|                                  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |
|----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|
| Esophagus                        | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Gallbladder                      | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | 49 |
| Lymphoma Malignant Lymphocytic   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1  |
| Lymphoma Malignant Mixed         |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | X |   |   |   | 2  |
| Intestine Large, Cecum           | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | 48 |
| Lymphoma Malignant Mixed         |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1  |
| Intestine Large, Colon           | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Intestine Large, Rectum          | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 |
| Intestine Small, Duodenum        | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Intestine Small, Ileum           | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Intestine Small, Jejunum         | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 |
| Lymphoma Malignant Mixed         |   |   |   |   |   | X |   |   |   |   | X |   |   |   |   |   |   |   |   | 4  |
| Sarcoma, Metastatic, Skin        |   |   | X |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1  |
| Liver                            | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Hepatocellular Adenoma           | X |   | X |   |   | X |   |   |   |   |   |   |   |   |   |   |   |   |   | 7  |
| Hepatocellular Adenoma, Multiple |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1  |
| Hepatocellular Carcinoma         |   |   |   |   |   |   |   | X |   |   | X |   |   |   |   |   | X |   |   | 4  |
| Histiocytic Sarcoma              | X |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 5  |
| Lymphoma Malignant Lymphocytic   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | X | 4  |
| Lymphoma Malignant Mixed         |   |   |   |   |   |   |   |   |   | X |   |   |   |   |   | X |   |   |   | 4  |
| Mesentery                        |   |   | + |   |   |   |   |   |   |   |   |   |   |   | + |   |   |   |   | 6  |

\* ..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: 05121-08  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: Mouse/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL  
 Test Compound: Scopolamine hydrobromide trihydrate  
 CAS Number: 6533-68-2

Date Report Requested: 10/16/2014  
 Time Report Requested: 06:26:49  
 First Dose M/F: NA / NA  
 Lab: BAT

| B6C3F1 Mouse Female<br>25 MG/KG20%/36M | DAY ON TEST |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    | *TOTALS |
|--|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|---------|
|  | 1           | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 1 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0  |         |
|  | 0           | 9 | 9 | 8 | 7 | 0 | 0 | 8 | 0 | 8 | 0 | 0 | 8 | 0 | 9 | 9 | 9 | 6 | 7  |         |
| ANIMAL ID                              | 4           | 9 | 8 | 4 | 0 | 8 | 8 | 4 | 8 | 1 | 8 | 8 | 1 | 1 | 7 | 1 | 5 | 9 | 3  |         |
|  | 5           | 5 | 7 | 6 | 3 | 7 | 8 | 7 | 8 | 7 | 5 | 7 | 4 | 3 | 4 | 8 | 2 | 9 | 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 | 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  |         |
|  | 0           | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2  |         |
|  | 2           | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9  |         |
| Histiocytic Sarcoma                    |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 2  |         |
| Lymphoma Malignant Lymphocytic         |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1  |         |
| Lymphoma Malignant Mixed               |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1  |         |
| Sarcoma, Metastatic, Skin              |             |   | X |   |   |   |   |   |   |   |   |   |   |   | X |   |   |   | 2  |         |
| Pancreas                               | +           | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |         |
| Lymphoma Malignant Lymphocytic         |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 3  |         |
| Lymphoma Malignant Mixed               |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   | X |   |   | 2  |         |
| Sarcoma, Metastatic, Skin              |             |   |   |   |   |   |   |   |   |   |   |   |   |   | X |   |   |   | 1  |         |
| Salivary Glands                        | +           | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |         |
| Lymphoma Malignant Lymphocytic         |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 2  |         |
| Stomach, Forestomach                   | +           | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |         |
| Lymphoma Malignant Lymphocytic         |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1  |         |
| Stomach, Glandular                     | +           | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |         |
| Lymphoma Malignant Lymphocytic         |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1  |         |
| Tooth                                  |             | + |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 2  |         |
| Histiocytic Sarcoma                    |             | X |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1  |         |
| <b>Cardiovascular System</b>           |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |         |
| Blood Vessel                           | +           | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |         |
| Heart                                  | +           | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |         |
| Lymphoma Malignant Lymphocytic         |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 2  |         |
| <b>Endocrine System</b>                |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |         |
| Adrenal Cortex                         | +           | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 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: 05121-08  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: Mouse/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL  
 Test Compound: Scopolamine hydrobromide trihydrate  
 CAS Number: 6533-68-2

Date Report Requested: 10/16/2014  
 Time Report Requested: 06:26:50  
 First Dose M/F: NA / NA  
 Lab: BAT

| DAY ON TEST                        | ANIMAL ID |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |   | *TOTALS |
|------------------------------------|-----------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|---|---------|
|                                    | 1         | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 1 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0  | 0 |         |
| <b>B6C3F1 Mouse Female</b>         | 0         | 9 | 9 | 8 | 7 | 0 | 0 | 8 | 0 | 8 | 0 | 8 | 0 | 9 | 9 | 9 | 6 | 7 |    |   |         |
| <b>25 MG/KG20%/36M</b>             | 4         | 9 | 8 | 4 | 0 | 8 | 8 | 4 | 8 | 1 | 8 | 8 | 1 | 1 | 7 | 1 | 5 | 9 | 3  |   |         |
|                                    | 5         | 5 | 7 | 6 | 3 | 7 | 7 | 8 | 7 | 5 | 7 | 7 | 4 | 3 | 4 | 8 | 2 | 9 | 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 | 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  |   |         |
|                                    | 0         | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2  |   |         |
|                                    | 2         | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 0  |   |         |
| Lymphoma Malignant Lymphocytic     |           |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 2  |   |         |
| Lymphoma Malignant Mixed           |           |   |   |   |   |   |   |   |   |   |   |   | X |   |   |   |   |   | 1  |   |         |
| Adrenal Medulla                    | +         | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |   |         |
| Pheochromocytoma Benign            |           |   |   |   |   |   |   |   | X |   |   |   |   |   |   |   |   |   | 1  |   |         |
| Islets, Pancreatic                 | +         | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |   |         |
| Adenoma                            |           |   |   |   | X |   |   |   |   |   |   |   |   |   |   |   |   |   | 2  |   |         |
| Parathyroid Gland                  | +         | + | + | + | + | + | + | + | + | M | + | + | + | + | + | M | M | + | 46 |   |         |
| Pituitary Gland                    | +         | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 |   |         |
| Histiocytic Sarcoma                | X         |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1  |   |         |
| Pars Distalis, Adenoma             |           |   |   | X |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 2  |   |         |
| Pars Intermed, Adenoma             |           |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 2  |   |         |
| Thyroid Gland                      | +         | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |   |         |
| Bilateral, Follicular Cel, Adenoma |           |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1  |   |         |
| Follicular Cel, Carcinoma          |           |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1  |   |         |
| Lymphoma Malignant Lymphocytic     |           |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1  |   |         |
| <b>General Body System</b>         |           |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |   |         |
| NONE                               |           |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |   |         |
| <b>Genital System</b>              |           |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |   |         |
| Clitoral Gland                     | +         | + | + | + | + | + | + | M | M | + | + | + | + | + | + | + | + | + | 48 |   |         |
| Ovary                              | +         | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 |   |         |
| Adenoma                            |           |   |   |   |   |   | X |   |   |   |   |   |   |   |   |   |   |   | 1  |   |         |
| Adenoma, Tubular                   |           |   |   |   |   |   |   |   |   |   |   | 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: 05121-08  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: Mouse/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL  
 Test Compound: Scopolamine hydrobromide trihydrate  
 CAS Number: 6533-68-2

Date Report Requested: 10/16/2014  
 Time Report Requested: 06:26:50  
 First Dose M/F: NA / NA  
 Lab: BAT

| B6C3F1 Mouse Female<br>25 MG/KG20%/36M   | DAY ON TEST | 1              | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 1 | 0 | 1 | 1 | 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              | 9 | 9 | 8 | 7 | 0 | 0 | 8 | 0 | 8 | 0 | 8 | 0 | 9 | 9 | 9 | 6 | 7 |    |
|  |             | 4              | 9 | 8 | 4 | 0 | 8 | 8 | 4 | 8 | 1 | 8 | 8 | 1 | 1 | 7 | 1 | 5 | 9 | 3  |
|  |             | 5              | 5 | 7 | 6 | 3 | 7 | 7 | 8 | 7 | 5 | 7 | 4 | 3 | 4 | 8 | 2 | 9 | 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 | 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  |
|  |             | 0              | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2  |
|  |             | 2              | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0  |
|  |             | <b>*TOTALS</b> |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |
| Cystadenoma                              |             |                |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 2  |
| Histiocytic Sarcoma                      |             |                |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 2  |
| Lymphoma Malignant Lymphocytic           |             |                |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 3  |
| Lymphoma Malignant Mixed                 |             |                |   |   |   |   |   |   |   |   |   |   |   | X |   |   |   |   |   | 4  |
| Sarcoma, Metastatic, Skin                |             |                |   | X |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1  |
| Uterus                                   |             | +              | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | 49 |
| Histiocytic Sarcoma                      |             |                |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 3  |
| Lymphoma Malignant Lymphocytic           |             |                |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 2  |
| Lymphoma Malignant Mixed                 |             |                |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1  |
| Polyp Stromal                            |             |                |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 2  |
| <b>Hematopoietic System</b>              |             |                |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |
| Blood                                    |             |                |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1  |
| Lymphoma Malignant Lymphocytic           |             |                |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1  |
| Bone Marrow                              |             | +              | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Hemangiosarcoma                          |             |                |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1  |
| Histiocytic Sarcoma                      |             |                |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1  |
| Lymphoma Malignant Lymphocytic           |             |                |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1  |
| Lymphoma Malignant Mixed                 |             |                |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1  |
| Lymph Node                               |             |                |   |   |   |   |   |   |   |   | + |   |   |   |   |   |   |   | + | 8  |
| Axillary, Lymphoma Malignant Lymphocytic |             |                |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1  |
| Lumbar, Lymphoma Malignant Lymphocytic   |             |                |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1  |
| Lymphoma Malignant Mixed                 |             |                |   |   |   |   |   |   |   |   | X |   |   |   |   |   |   |   |   | 5  |

\* ..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: 05121-08

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Mouse/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
Test Compound: Scopolamine hydrobromide trihydrate
CAS Number: 6533-68-2

Date Report Requested: 10/16/2014

Time Report Requested: 06:26:50

First Dose M/F: NA / NA

Lab: BAT

Table with columns for DAY ON TEST (1-20) and ANIMAL ID (0-20). Rows list various tumor types such as Pancreatic, Lymphoma Malignant Lymphocytic, Renal, Lymphoma Malignant Lymphocytic, etc., with corresponding counts and symbols (+, X, M, BLANK) indicating findings.

\* ..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: 05121-08  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: Mouse/B6C3F1

**P04: NEOPLASMS BY INDIVIDUAL ANIMAL**  
 Test Compound: Scopolamine hydrobromide trihydrate  
 CAS Number: 6533-68-2

Date Report Requested: 10/16/2014  
 Time Report Requested: 06:26:50  
 First Dose M/F: NA / NA  
 Lab: BAT

| B6C3F1 Mouse Female<br>25 MG/KG20%/36M | DAY ON TEST | 1              | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 1 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |    |
|--|-------------|----------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|
|  | ANIMAL ID   | 0              | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0  |
|  |             | 0              | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0  |
|  |             | 0              | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0  |
|  |             | 2              | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2  |
|  |             | 0              | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2  |
|  |             | 2              | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 0  |
|  |             | <b>*TOTALS</b> |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |
| Lymphoma Malignant Mixed               |             | X              |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 5  |
| <b>Integumentary System</b>            |             |                |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |
| Mammary Gland                          |             | +              | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | 49 |
| Skin                                   |             | +              | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Squamous Cell Carcinoma                |             |                |   |   |   |   |   |   |   | X |   |   |   |   |   |   |   |   |   |   | 1  |
| Subcut Tiss, Sarcoma                   |             |                |   | X |   |   |   |   |   |   |   |   |   |   | X |   |   |   |   | X | 5  |
| <b>Musculoskeletal System</b>          |             |                |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |
| Bone                                   |             | +              | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Osteosarcoma                           |             |                |   |   |   |   |   |   |   |   |   | X |   |   |   |   |   |   |   |   | 1  |
| <b>Nervous System</b>                  |             |                |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |
| Brain                                  |             | +              | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Histiocytic Sarcoma                    |             | X              |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1  |
| Lymphoma Malignant Lymphocytic         |             |                |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | X | 2  |
| <b>Respiratory System</b>              |             |                |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |
| Lung                                   |             | +              | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Alveolar/Bronchiolar Adenoma           |             |                |   |   |   |   |   |   |   |   |   | X |   |   |   |   |   |   |   |   | 4  |
| Alveolar/Bronchiolar Carcinoma         |             |                |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 2  |
| Histiocytic Sarcoma                    |             |                |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1  |
| Lymphoma Malignant Lymphocytic         |             |                |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 3  |
| Lymphoma Malignant Mixed               |             |                |   |   |   |   |   |   |   |   | X |   |   |   |   |   | X |   |   |   | 4  |
| 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: 05121-08  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: Mouse/B6C3F1

**P04: NEOPLASMS BY INDIVIDUAL ANIMAL**  
 Test Compound: Scopolamine hydrobromide trihydrate  
 CAS Number: 6533-68-2

Date Report Requested: 10/16/2014  
 Time Report Requested: 06:26:50  
 First Dose M/F: NA / NA  
 Lab: BAT

| B6C3F1 Mouse Female<br>25 MG/KG20%/36M | DAY ON TEST |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    | *TOTALS |
|--|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|---------|
|  | 1           | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 1 | 0 | 1 | 1 | 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  |         |
| Nose                                   | 0           | 9 | 9 | 8 | 7 | 0 | 0 | 8 | 0 | 8 | 0 | 8 | 0 | 9 | 9 | 9 | 6 | 7 |   |    |         |
| Lymphoma Malignant Mixed               | 4           | 9 | 8 | 4 | 0 | 8 | 8 | 4 | 8 | 1 | 8 | 8 | 1 | 1 | 7 | 1 | 5 | 9 | 3 |    |         |
| Trachea                                | 5           | 5 | 7 | 6 | 3 | 7 | 7 | 8 | 7 | 5 | 7 | 7 | 4 | 3 | 4 | 8 | 2 | 9 | 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 | 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  |         |
|  | 0           | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2  |         |
|  | 2           | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0  |         |
| Nose                                   | +           | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |         |
| Lymphoma Malignant Mixed               |             |   |   |   |   |   |   |   |   |   |   |   | X |   |   |   |   |   |   | 1  |         |
| Trachea                                | +           | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |         |
| <b>Special Senses System</b>           |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |         |
| Ear                                    |             |   |   |   |   |   |   |   |   |   |   |   |   | + |   |   |   |   |   | 1  |         |
| Eye                                    |             |   | + |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 3  |         |
| Harderian Gland                        | +           | + | + | M | + | + | + | M | M | + | M | + | + | + | + | M | M | M | + | 25 |         |
| Adenoma                                |             |   |   |   |   |   |   | X |   |   |   |   |   |   |   |   |   |   |   | 2  |         |
| Bilateral, Adenoma                     |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1  |         |
| <b>Urinary System</b>                  |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |         |
| Kidney                                 | +           | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |         |
| Histiocytic Sarcoma                    |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1  |         |
| Lymphoma Malignant Lymphocytic         |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | X | 4  |         |
| Lymphoma Malignant Mixed               |             |   |   |   |   |   |   |   |   |   |   |   | X |   |   |   |   |   |   | 5  |         |
| Osteosarcoma, Metastatic, Bone         |             |   |   |   |   |   |   |   |   |   | X |   |   |   |   |   |   |   |   | 1  |         |
| Urinary Bladder                        | +           | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | 49 |         |
| Histiocytic Sarcoma                    |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1  |         |
| Lymphoma Malignant Lymphocytic         |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 2  |         |
| <b>SYSTEMIC LESIONS</b>                |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |         |
| Multiple Organ                         | +           | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |         |
| Histiocytic Sarcoma                    | X           |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 5  |         |

\* ..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: 05121-08  
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 Test Compound: Scopolamine hydrobromide trihydrate  
 CAS Number: 6533-68-2

Date Report Requested: 10/16/2014  
 Time Report Requested: 06:26:50  
 First Dose M/F: NA / NA  
 Lab: BAT

|                            |                                | DAY ON TEST |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |                |  |
|----------------------------|--------------------------------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----------------|--|
| <b>B6C3F1 Mouse Female</b> | <b>25 MG/KG20%/36M</b>         | 1           | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 1 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0              |  |
|                            |                                | 0           | 9 | 9 | 8 | 7 | 0 | 0 | 8 | 0 | 8 | 0 | 0 | 8 | 0 | 9 | 9 | 9 | 6 | 7              |  |
|                            |                                | 4           | 9 | 8 | 4 | 0 | 8 | 8 | 4 | 8 | 1 | 8 | 8 | 1 | 1 | 7 | 1 | 5 | 9 | 3              |  |
|                            |                                | 5           | 5 | 7 | 6 | 3 | 7 | 7 | 8 | 7 | 5 | 7 | 7 | 4 | 3 | 4 | 8 | 2 | 9 | 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 |                |  |
|                            |                                | 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 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 |                |  |
|                            |                                | 2           | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |                |  |
|                            |                                |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | <b>*TOTALS</b> |  |
|                            | Lymphoma Malignant Lymphocytic |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | X | 4              |  |
|                            | Lymphoma Malignant Mixed       |             |   |   |   | X |   |   |   | X |   |   | X |   |   | X |   |   |   | 9              |  |

**\*\* 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