

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

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
Test Compound: Scopolamine hydrobromide trihydrate
CAS Number: 6533-68-2

Date Report Requested: 10/16/2014
Time Report Requested: 06:36:28
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		
ANIMAL ID	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	
Stomach, Glandular	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Dysplasia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Tongue	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	
Mineralization	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	
Tooth	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	4	4	4	4	4	4	
Dysplasia	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Cardiovascular System																															
Blood Vessel	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Inflammation, Chronic Active																															
Endocrine System																															
Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Accessory Adrenal Cortical Nodule				1						X																					
Capsule, Hyperplasia, Adenomatous							2				1		1													1				1	
Hyperplasia				1	2						2	1				1									1					1	
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Hyperplasia				1																											
Parathyroid Gland	+	M	M	M	+	+	+	+	M	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	M	+	+	M	M	+	+
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Follicular Cel, Hyperplasia																														2	

* ..Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
+ ..Tissue examined microscopically
X ..Lesion present
I ..Insufficient tissue
M ..Missing tissue
A ..Autolysis precludes evaluation
BLANK ..Not examined microscopically
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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 Male	7	7	7	7	7	7	7	7	7	4	7	7	7	7	4	7	7	4	7	4	7	7	7	7	4	7	4	7	7
0 MG/KG 104/WEEK	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	6	2	2	2	2	6	2	2	6	2	6	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
	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
	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

General Body System

NONE

Genital System

Epididymis	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Preputial Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Duct, Ectasia	3		4	4	4		4	4	4		4		4	4		1		4				2	4						
Inflammation, Chronic Active																													
Prostate	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Seminal Vesicle	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Testes	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Atrophy																													
Hypoplasia									4																				

Hematopoietic System

Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Hyperplasia, Mast Cell																													
Lymph Node, Mandibular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Lymph Node, Mediastinal																													
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Spleen	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Hematopoietic Cell Proliferation									1																				
Thymus	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	M	+	M	M	+	+	+	+	+	+	+	

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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
			7	4	7	7	7	7	4	7	7	7	7	4	7	7	7	7	7	4	7	7	7	7	7	7	7	7
		2	5	2	2	2	2	5	2	2	2	2	5	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	6	2	2	2	2	2	6	2	2	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	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
		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	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

Alimentary System

Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Periesoph Tiss, Inflammation, Suppurative																												1
Gallbladder	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Hyperplasia, Lymphoid																												
Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Bile Duct, Hyperplasia, Cystic																												
Clear Cell Focus				X																								
Eosinophilic Focus																												
Necrosis														1														
Mesentery																												+
Fibrosis																												2
Pancreas	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Hyperplasia, Focal	2	2			3	2		1	1	1	1	2		2	2	1	2		2		1	2	1	2		1		

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	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 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	
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 5	0 0 2 5 5	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 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	
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Dysplasia																											
Tongue																											
Mineralization																											
Tooth																											
Dysplasia																											
Cardiovascular System																											
Blood Vessel	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Inflammation, Chronic Active																											
Endocrine System																											
Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Accessory Adrenal Cortical Nodule																											
Capsule, Hyperplasia, Adenomatous																											
Hyperplasia																											
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Hyperplasia																											
Parathyroid Gland	+	+	M	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Follicular Cel, Hyperplasia																											

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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	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	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	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	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	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
	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	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

General Body System

NONE

Genital System

Epididymis	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Preputial Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Duct, Ectasia				4					4	2	2			2	4			4	4	1					1		
Inflammation, Chronic Active			3				2																				
Prostate	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Seminal Vesicle	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Testes	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Atrophy																											
Hypoplasia																											

Hematopoietic System

Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Hyperplasia, Mast Cell																											
Lymph Node, Mandibular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Lymph Node, Mediastinal																											+
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Spleen	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Hematopoietic Cell Proliferation																											3
Thymus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+

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			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	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	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	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	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		
		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	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

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
Skin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+

Musculoskeletal System

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

Nervous System

Brain	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
-------	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

Respiratory System

Lung	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Alveolar Epith, Hyperplasia														4						1		1						
Bronchiectasis, Focal																												
Nose	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Respirat Epith, Inflammation, Chronic Active																												
Trachea	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+

Special Senses System

Harderian Gland	M	M	+	+	+	+	+	M	M	M	M	M	M	+	M	+	+	+	M	M	+	M	M	+	+	+	M	+	M
Hyperplasia																													
Inflammation, Chronic Active																													

Urinary System

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

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

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Test Compound: Scopolamine hydrobromide trihydrate
 CAS Number: 6533-68-2

Date Report Requested: 10/16/2014
 Time Report Requested: 06:36:31
 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		
Periesoph Tiss, Inflammation, Suppurative	1	1.0	
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		
Hyperplasia, Lymphoid	1	4.0	
Liver	60		
Bile Duct, Hyperplasia, Cystic	1	2.0	
Clear Cell Focus	1		
Eosinophilic Focus	1		
Necrosis	1	1.0	
Mesentery	1		
Fibrosis	1	2.0	
Pancreas	60		
Salivary Glands	60		
Stomach, Forestomach	60		
Hyperplasia, Focal	44	1.8	
Stomach, Glandular	60		

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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	
Dysplasia	1	2.0
Tongue	1	
Mineralization	1	2.0
Tooth	2	
Dysplasia	2	1.0
Cardiovascular System		
Blood Vessel	60	
Heart	60	
Inflammation, Chronic Active	1	1.0
Endocrine System		
Adrenal Cortex	60	
Accessory Adrenal Cortical Nodule	4	1.5
Capsule, Hyperplasia, Adenomatous	6	1.3
Hyperplasia	14	1.1
Adrenal Medulla	60	
Islets, Pancreatic	60	
Hyperplasia	1	1.0
Parathyroid Gland	49	
Pituitary Gland	58	
Thyroid Gland	60	
Follicular Cel, Hyperplasia	1	2.0
General Body System		

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+ ..Tissue examined microscopically

X ..Lesion present

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1-4 ..Lesion qualified as:

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2) Mild 4) Marked

Experiment Number: 05121-08

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Mouse/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: Scopolamine hydrobromide trihydrate

CAS Number: 6533-68-2

Date Report Requested: 10/16/2014

Time Report Requested: 06:36:31

First Dose M/F: NA / NA

Lab: BAT

DAY ON TEST

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

ANIMAL ID

*TOTALS

NONE

Genital System

Epididymis	60		
Preputial Gland	60		
Duct, Ectasia	24	3.3	
Inflammation, Chronic Active	2	2.5	
Prostate	60		
Seminal Vesicle	60		
Testes	60		
Atrophy	1	2.0	
Hypoplasia	1	4.0	

Hematopoietic System

Bone Marrow	60		
Hyperplasia, Mast Cell	1	1.0	
Lymph Node, Mandibular	60		
Lymph Node, Mediastinal	1		
Lymph Node, Mesenteric	60		
Spleen	60		
Hematopoietic Cell Proliferation	2	2.0	
Thymus	55		

Integumentary System

Mammary Gland	1		
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Experiment Number: 05121-08

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Mouse/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: Scopolamine hydrobromide trihydrate

CAS Number: 6533-68-2

Date Report Requested: 10/16/2014

Time Report Requested: 06:36:31

First Dose M/F: NA / NA

Lab: BAT

DAY ON TEST

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

ANIMAL ID	*TOTALS	
Skin	60	
Musculoskeletal System		
Bone	60	
Nervous System		
Brain	60	
Respiratory System		
Lung	60	
Alveolar Epith, Hyperplasia	5	1.6
Bronchiectasis, Focal	1	2.0
Nose	60	
Respirat Epith, Inflammation, Chronic Active	1	2.0
Trachea	60	
Special Senses System		
Harderian Gland	26	
Hyperplasia	1	3.0
Inflammation, Chronic Active	2	2.5
Urinary System		
Kidney	60	
Hyperplasia, Mast Cell	1	1.0
Nephropathy	56	1.0
Renal Tubule, Hyperplasia	1	1.0

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Experiment Number: 05121-08
Test Type: CHRONIC
Route: GAVAGE
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Date Report Requested: 10/16/2014
Time Report Requested: 06:36:31
First Dose M/F: NA / NA
Lab: BAT

DAY ON TEST

B6C3F1 Mouse Male
0 MG/KG 104/WEEK

ANIMAL ID

*TOTALS

Urinary Bladder

60

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

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

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1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

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

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Test Compound: Scopolamine hydrobromide trihydrate
 CAS Number: 6533-68-2

Date Report Requested: 10/16/2014
 Time Report Requested: 06:36:32
 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	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	
Hematopoietic Cell Proliferation																														
Hemorrhage																														
Hyperplasia																														
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Hyperplasia																														
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Hyperplasia																														
Parathyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Pars Distalis, Cyst																														
Pars Distalis, Hyperplasia																														
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Follicular Cel, Hyperplasia																														
Inflammation																														
General Body System																														
NONE																														
Genital System																														
Epididymis	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Granuloma Sperm																														
Inflammation, Chronic Active																														
Preputial Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Duct, Ectasia	3				2	3				3	2	2					4					2	3			2	2	4	2	4

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 + ..Tissue examined microscopically
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 1-4 ..Lesion qualified as:
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Experiment Number: 05121-08

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Mouse/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: Scopolamine hydrobromide trihydrate

CAS Number: 6533-68-2

Date Report Requested: 10/16/2014

Time Report Requested: 06:36:32

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	
B6C3F1 Mouse Male	0	0	9	0	7	0	0	0	0	0	0	0	0	6	0	0	0	0	0	0	1	0	0	9	8	0	7	8	0	0
0 MG/KG 20%/36M	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	8
	6	2	2	6	2	6	6	6	6	6	6	5	6	6	6	6	6	3	6	6	6	8	6	6	1	9	6	9	8	6
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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
	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
	1	2	3	4	5	6	7																							
Inflammation, Chronic Active									4						3											3				3
Prostate	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Seminal Vesicle	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Testes	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Atrophy									2															2						3
Interstitial Cell, Hyperplasia																														
Hematopoietic System																														
Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Myelofibrosis																														1
Myeloid Cell, Hyperplasia				4					3						4														2	
Lymph Node	+												+																+	
Lymph Node, Mandibular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	M	+
Lymph Node, Mediastinal		+	+									+	+																	
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Angiectasis					2														4			2								
Spleen	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Depletion Lymphoid															4															3
Hematopoietic Cell Proliferation				2		3			2	2								3										2	3	
Hyperplasia, Lymphoid											1																			
Thrombosis					3																									
Thymus	+	M	M	+	+	+	+	+	+	M	+	+	M	+	M	M	M	+	M	M	+	+	+	+	M	+	+	+	+	+
Atrophy	4																	4											4	2

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

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

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Test Compound: Scopolamine hydrobromide trihydrate
 CAS Number: 6533-68-2

Date Report Requested: 10/16/2014
 Time Report Requested: 06:36:32
 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	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	8	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
	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	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
	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	

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, Inflammation, Chronic Active															2					2									

Musculoskeletal System

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

Nervous System

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

Respiratory System

Lung	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Alveolar Epith, Hyperplasia											1																		
Bronchiole, Hyperplasia																													
Inflammation																													
Nose	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Trachea	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+

Special Senses System

Ear																													
Eye																													

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 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	0	6	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

***TOTALS**

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	
Hyperplasia, Lymphoid																				1	3.0
Inflammation, Chronic Active																	4			1	4.0
Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Basophilic Focus	X																			1	
Eosinophilic Focus																				1	
Hematopoietic Cell Proliferation																				1	1.0
Hepatodiaphragmatic Nodule	2																			1	2.0
Hyperplasia, Lymphoid																		2		2	1.5
Mixed Cell Focus																				2	
Necrosis																				1	2.0
Mesentery				+										+						5	
Fat, Inflammation, Chronic Active																	2			3	3.0
Fat, Necrosis																				2	3.0

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

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

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

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Test Compound: Scopolamine hydrobromide trihydrate
 CAS Number: 6533-68-2

Date Report Requested: 10/16/2014
 Time Report Requested: 06:36:33
 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		
	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	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	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		
Pancreas	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Acinus, Atrophy																			2 2.5	
Artery, Inflammation, Chronic Active																			2 2.0	
Duct, Ectasia																			1 3.0	
Inflammation, Chronic Active																			1 2.0	
Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Hyperplasia, Focal								3	2		1		2		3	1	1	2	4	25 2.2
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Dysplasia																		2	1 2.0	
Hyperplasia																			1 3.0	
Tooth											+					+			3	
Dysplasia											2					2			3 2.0	
Cardiovascular System																				
Blood Vessel	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Degeneration																			1 3.0	
Mineralization																			1 1.0	
Endocrine System																				
Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Accessory Adrenal Cortical Nodule																			1 1.0	
Capsule, Hyperplasia											2								3 2.7	

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

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

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Test Compound: Scopolamine hydrobromide trihydrate
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Date Report Requested: 10/16/2014
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 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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Hematopoietic Cell Proliferation																		1	1.0	
Hemorrhage					2													1	2.0	
Hyperplasia					1											2	2	6	1.8	
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50		
Hyperplasia																	4	3	2.7	
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50		
Hyperplasia			1															3	1.0	
Parathyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50		
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	47		
Pars Distalis, Cyst												X						3		
Pars Distalis, Hyperplasia																	1	2	1.0	
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50		
Follicular Cel, Hyperplasia																	2	1	6	1.2
Inflammation												1						1	1.0	
General Body System																				
NONE																				
Genital System																				
Epididymis	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50		
Granuloma Sperm							2			2				2	1			7	2.0	
Inflammation, Chronic Active																		1	3.0	
Preputial Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50		
Duct, Ectasia		1			4	4		3			2	4	4		4	4		1	24	2.9

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

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Test Compound: Scopolamine hydrobromide trihydrate
 CAS Number: 6533-68-2

Date Report Requested: 10/16/2014
 Time Report Requested: 06:36:33
 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		
	8	3	1	8	5	7	8	8	6	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		
	0	0	0	0	0	0	0	0	0	0	0	0	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		
Inflammation, Chronic Active			2				4			4								7	3.3	
Prostate	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50		
Seminal Vesicle	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50		
Testes	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50		
Atrophy					2	2	2				2			2	1			9	2.0	
Interstitial Cell, Hyperplasia											2							1	2.0	
Hematopoietic System																				
Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50		
Myelofibrosis												1						2	1.0	
Myeloid Cell, Hyperplasia				2		2												6	2.8	
Lymph Node				+														4		
Lymph Node, Mandibular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48		
Lymph Node, Mediastinal				+		+	+											7		
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49		
Angiectasis													3	2				5	2.6	
Spleen	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50		
Depletion Lymphoid																		2	3.5	
Hematopoietic Cell Proliferation	2		3	2		3						3	3		1		1	15	2.3	
Hyperplasia, Lymphoid																		1	1.0	
Thrombosis																		1	3.0	
Thymus	+	+	+	M	M	M	+	+	+	M	+	+	M	M	+	+	+	34		
Atrophy	4	3	4				3	2	3			4				3	2	13	3.2	

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

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

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Test Compound: Scopolamine hydrobromide trihydrate
 CAS Number: 6533-68-2

Date Report Requested: 10/16/2014
 Time Report Requested: 06:36:33
 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	0	6	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
	*TOTALS																		

Integumentary System

Mammary Gland	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	0
Skin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48
Subcut Tiss, Inflammation, Chronic Active																				2 2.0

Musculoskeletal System

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

Nervous System

Brain	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Peripheral Nerve					+															1
Spinal Cord					+															1

Respiratory System

Lung	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Alveolar Epith, Hyperplasia		2	2				1													4 1.5
Bronchiole, Hyperplasia														2						1 2.0
Inflammation					1															1 1.0
Nose	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Trachea	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50

Special Senses System

Ear																				2
Eye					+															1

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 1-4 ..Lesion qualified as:
 1) Minimal 3) Moderate
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Experiment Number: 05121-08

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Mouse/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: Scopolamine hydrobromide trihydrate

CAS Number: 6533-68-2

Date Report Requested: 10/16/2014

Time Report Requested: 06:36:34

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			
	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	8	1	2	8	8	8	8			
	7	6	9	4	0	4	6	6	6	6	6	6	6	0	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	2			
	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9			
Lens, Cataract																			1	1.0	
Harderian Gland	M	+	+	+	+	M	+	+	M	M	M	+	+	M	+	M	+	M	+	24	
Urinary System																					
Kidney	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Cyst									2					X						3	2.0
Necrosis, Focal									2											1	2.0
Nephropathy	2	1	1		1		1	1	1	1	1	1	1	1	2	1	1	1	1	40	1.1
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	

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Date Report Requested: 10/16/2014
 Time Report Requested: 06:36:34
 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	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	4	4	4	4	4	4	4	4	4	4	4	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

Alimentary System

Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Gallbladder	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Intestine Large, Rectum	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Hyperplasia, Lymphoid																														
Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Mixed Cell Focus																														
Necrosis																														
Pancreas	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Acinus, Atrophy																														
Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Hyperplasia, Focal	2	2	2	2	2			2	2							3	2		3					2		2		2	3	
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Dysplasia																														

Cardiovascular System

Blood Vessel	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
--------------	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

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

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Test Compound: Scopolamine hydrobromide trihydrate
 CAS Number: 6533-68-2

Date Report Requested: 10/16/2014
 Time Report Requested: 06:36:35
 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	
	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	4	4	4	4	4	4	4	4	4	4	4	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	
Alveolar Epith, Hyperplasia																														
Bronchiole, Hyperplasia																														
Nose	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Trachea	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Special Senses System																														
Harderian Gland	+	M	+	M	M	M	+	+	M	M	+	+	+	M	M	+	M	+	M	+	M	M	+	M	+	M	+	M	+	
Inflammation, Chronic Active																														
Urinary System																														
Kidney	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Nephropathy	1	1	1	1	1		1	1			1	1	1	1	1	1	1	1		1	1	1	1	1			1	1	1	1
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	

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

Experiment Number: 05121-08

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Mouse/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: Scopolamine hydrobromide trihydrate

CAS Number: 6533-68-2

Date Report Requested: 10/16/2014

Time Report Requested: 06:36:35

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	4	7	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	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
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
	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	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Hyperplasia, Lymphoid				2																								
Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Mixed Cell Focus																											X	
Necrosis																												
Pancreas	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Acinus, Atrophy																												
Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Hyperplasia, Focal	2	3	1	1		2	2	3	2	2		2		1	2		1	2	2				1	3	1	2		2
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Dysplasia											2																	

Cardiovascular System

Blood Vessel	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
--------------	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

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Species/Strain: Mouse/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

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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		
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	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	2	6	2	2	2	2	2	2	3	2	2	2	6	2	2	6	2	2	2	2	2	2	2	2	2		
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
	0	0	0	0	0	0	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		
Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		
Endocrine System																															
Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Hyperplasia														1																	
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Parathyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	M	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Pituitary Gland	M	+	+	M	+	+	+	+	+	M	M	M	M	+	M	+	+	+	+	+	+	+	M	+	+	+	+	+	+	M	
Cyst																															
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
General Body System																															
NONE																															
Genital System																															
Epididymis	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Preputial Gland	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Duct, Ectasia									1			3				2			1						4		4	3			
Inflammation, Chronic Active																								4							
Prostate	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Seminal Vesicle	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Testes	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Hematopoietic System																															

* ..Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
+ ..Tissue examined microscopically
X ..Lesion present
I ..Insufficient tissue
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Experiment Number: 05121-08
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: Mouse/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Test Compound: Scopolamine hydrobromide trihydrate
 CAS Number: 6533-68-2

Date Report Requested: 10/16/2014
 Time Report Requested: 06:36:35
 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
B6C3F1 Mouse Male	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
25 MG/KG104/WEEK	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	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

Hematopoietic System

Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Lymph Node, Bronchial	+				+							+																
Lymph Node, Mandibular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Spleen	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Depletion Lymphoid														1														
Hematopoietic Cell Proliferation																												
Thymus	+	+	+	+	+	+	M	+	+	+	+	+	M	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Atrophy																												

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
Skin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+

Musculoskeletal System

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

Nervous System

Brain	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Infiltration Cellular, Lymphocyte																												

Respiratory System

Lung	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
------	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

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Experiment Number: 05121-08
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 Species/Strain: Mouse/B6C3F1

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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	4	7	7	7	7	7	7	7	7	0	7	7	4	7	7	4	7	7	7	5	7	7	4	7	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	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	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	
	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	
	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	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		
Alveolar Epith, Hyperplasia																															
Bronchiole, Hyperplasia																															
Nose	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Trachea	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Special Senses System																															
Harderian Gland	+	+	+	M	M	M	+	+	M	+	M	M	M	+	M	M	+	+	M	M	+	+	M	M	+	M	M	M	M		
Inflammation, Chronic Active																															
Urinary System																															
Kidney	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Nephropathy		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	

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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		
Hyperplasia, Lymphoid	1	2.0	
Liver	60		
Mixed Cell Focus	1		
Necrosis	1	1.0	
Pancreas	60		
Acinus, Atrophy	1	1.0	
Salivary Glands	60		
Stomach, Forestomach	60		
Hyperplasia, Focal	38	2.0	
Stomach, Glandular	60		
Dysplasia	2	1.5	

Cardiovascular System

Blood Vessel	60		
Heart	60		

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

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CAS Number: 6533-68-2

Date Report Requested: 10/16/2014
Time Report Requested: 06:36:35
First Dose M/F: NA / NA
Lab: BAT

DAY ON TEST

B6C3F1 Mouse Male
25 MG/KG104/WEEK

	ANIMAL ID	<u>*TOTALS</u>	
Endocrine System			
Adrenal Cortex		60	
Hyperplasia		6	1.0
Adrenal Medulla		59	
Islets, Pancreatic		59	
Parathyroid Gland		54	
Pituitary Gland		38	
Cyst		1	
Thyroid Gland		60	
General Body System			
NONE			
Genital System			
Epididymis		60	
Preputial Gland		59	
Duct, Ectasia		10	2.7
Inflammation, Chronic Active		1	4.0
Prostate		60	
Seminal Vesicle		60	
Testes		60	
Hematopoietic System			
Bone Marrow		60	
Lymph Node, Bronchial		3	

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

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

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

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
Test Compound: Scopolamine hydrobromide trihydrate
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B6C3F1 Mouse Male
25 MG/KG104/WEEK

ANIMAL ID	*TOTALS	
Lymph Node, Mandibular	59	
Lymph Node, Mesenteric	59	
Spleen	60	
Depletion Lymphoid	1	1.0
Hematopoietic Cell Proliferation	1	2.0
Thymus	55	
Atrophy	1	3.0
Integumentary System		
Mammary Gland	0	
Skin	60	
Musculoskeletal System		
Bone	60	
Nervous System		
Brain	60	
Infiltration Cellular, Lymphocyte	1	2.0
Respiratory System		
Lung	60	
Alveolar Epith, Hyperplasia	1	1.0
Bronchiole, Hyperplasia	1	1.0
Nose	60	
Trachea	60	

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25 MG/KG104/WEEK

ANIMAL ID

*TOTALS

Special Senses System

Harderian Gland	26		
Inflammation, Chronic Active	2	2.5	

Urinary System

Kidney	60		
Nephropathy	50	1.0	
Urinary Bladder	59		

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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	2	3	4	5	6	7	
Hyperplasia, Focal	2		3		1	2	1	2			2	2	2	3	2	1	2			4		2	2	1	1	2	1	2	2
Hyperplasia, Mast Cell																												1	
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Dysplasia																													
Tongue																													+
Tooth										+	+	+			+						+								
Dysplasia										2	2	3			3						2								
Inflammation, Chronic Active																													
Cardiovascular System																													
Blood Vessel	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Atrium, Thrombosis														3															
Mineralization				1																									
Valve, Inflammation, Chronic Active																	2												
Endocrine System																													
Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Accessory Adrenal Cortical Nodule				1																									
Capsule, Hyperplasia																											3		
Hyperplasia						2		1								1					2		1						
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Hyperplasia											1																		
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+

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	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
	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
	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
Parathyroid Gland	+	+	+	M	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+
Cyst	X																											
Hyperplasia, Focal																												
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	M	M	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+
Pars Distalis, Cyst											X																	
Pars Distalis, Hyperplasia																												
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Follicular Cel, Hyperplasia											1																	
Inflammation, Chronic Active																												
General Body System																												
Tissue NOS																												
Genital System																												
Epididymis	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Granuloma Sperm											1																	
Spermatocele																												
Preputial Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Degeneration																												
Duct, Ectasia																												
Inflammation, Chronic Active																												
Prostate	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Seminal Vesicle	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Testes	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+

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

Atrophy 1 1 2

Hematopoietic System

Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		
Erythroid Cell, Hyperplasia										2					4		3													
Myeloid Cell, Hyperplasia																														
Lymph Node		+	+																											
Lymph Node, Mandibular Hyperplasia, Lymphoid	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+		
Lymph Node, Mediastinal		+																												
Lymph Node, Mesenteric Angiectasis	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	M	+	+	+	M	+	+	+	+	+	+	+	M		
Hyperplasia, Lymphoid							4		3								3		2							2				
Hyperplasia, Plasma Cell																										4				
Spleen	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		
Depletion Lymphoid																														
Hematopoietic Cell Proliferation							2		3						2		1			2					2		3	2		
Hyperplasia, Lymphoid												2																		
Hyperplasia, Plasma Cell																														
Thymus	+	+	M	M	+	+	M	M	+	+	+	M	+	+	M	+	+	+	+	+	+	+	M	+	+	M	M	+	+	M
Atrophy					1	2														2	4					2				

Integumentary System

Mammary Gland	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M
---------------	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

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	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
	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	4
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	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	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Musculoskeletal System																												
Bone	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Skeletal Muscle		+																										
Nervous System																												
Brain	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Peripheral Nerve																												
Spinal Cord																												
Respiratory System																												
Lung	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Alveolar Epith, Hyperplasia							2						2				2									1		
Nose	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Trachea	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Special Senses System																												
Eye								+		+																		
Lens, Cataract										1																1		
Harderian Gland	+	+	M	M	M	+	M	M	M	+	M	+	+	M	+	+	M	M	+	+	M	+	M	+	M	M	+	M
Urinary System																												
Kidney	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Cyst																												X

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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	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	1	1	1	1	1	1	1	1	2	2	
	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	1	2	3	4	5	6	7	
Nephropathy	1	1	1		1	1	1	1	1	1	1		1	1		1	1		1	1	3	1	1	1	1		1	1	1
Renal Tubule, Hyperplasia																													
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+

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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
	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

***TOTALS**

Alimentary System

Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Gallbladder	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Inflammation, Acute																			1 2.0
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Intestine Small, Ileum	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	49
Hyperplasia, Lymphoid																			5 3.2
Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Basophilic Focus																			1
Bile Duct, Cyst				X															2
Eosinophilic Focus													X						1
Mesentery																			1
Artery, Inflammation, Chronic Active																			1 2.0
Pancreas	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Acinus, Hyperplasia, Focal																			1 1.0
Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Cyst									X										2

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

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

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

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Test Compound: Scopolamine hydrobromide trihydrate
 CAS Number: 6533-68-2

Date Report Requested: 10/16/2014
 Time Report Requested: 06:36:37
 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	3	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		
Hyperplasia, Focal		1		2		4	2		1	2				2	2	2	1	2	33	1.9
Hyperplasia, Mast Cell		2				2													3	1.7
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Dysplasia		2								2	2								3	2.0
Tongue																			1	
Tooth													+		+				7	
Dysplasia													3						6	2.5
Inflammation, Chronic Active															2				1	2.0
Cardiovascular System																				
Blood Vessel	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Atrium, Thrombosis																			1	3.0
Mineralization																			1	1.0
Valve, Inflammation, Chronic Active																			1	2.0
Endocrine System																				
Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Accessory Adrenal Cortical Nodule																			1	1.0
Capsule, Hyperplasia																			1	3.0
Hyperplasia				1	2		1	2	2		1		1						12	1.4
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Hyperplasia																			1	1.0
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	

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

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

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Test Compound: Scopolamine hydrobromide trihydrate
 CAS Number: 6533-68-2

Date Report Requested: 10/16/2014
 Time Report Requested: 06:36:38
 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	
Parathyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	47
Cyst																			1
Hyperplasia, Focal																			1 2.0
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	47
Pars Distalis, Cyst																			1
Pars Distalis, Hyperplasia									2				1						3 1.3
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Follicular Cel, Hyperplasia																			2 2.0
Inflammation, Chronic Active																			1 2.0
General Body System																			
Tissue NOS																			1
Genital System																			
Epididymis	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Granuloma Sperm		1	1																6 1.3
Spermatocele																			1
Preputial Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Degeneration																			1 3.0
Duct, Ectasia		2	4		4				2				2		1	2	3		2 15 2.4
Inflammation, Chronic Active		3					4						4			2			6 3.2
Prostate	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Seminal Vesicle	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Testes	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50

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

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

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Test Compound: Scopolamine hydrobromide trihydrate
 CAS Number: 6533-68-2

Date Report Requested: 10/16/2014
 Time Report Requested: 06:36:38
 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
	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
	*TOTALS																	

Atrophy																			7	1.6	
Hematopoietic System																					
Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50		
Erythroid Cell, Hyperplasia																			3	3.0	
Myeloid Cell, Hyperplasia																			1	1.0	
Lymph Node	+																		4		
Lymph Node, Mandibular	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	M	+	+	47	
Hyperplasia, Lymphoid																			1	3.0	
Lymph Node, Mediastinal																			3		
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	46	
Angiectasis																			5	2.8	
Hyperplasia, Lymphoid																			2	4.0	
Hyperplasia, Plasma Cell																			1	2.0	
Spleen	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Depletion Lymphoid																			1	2.0	
Hematopoietic Cell Proliferation																			11	2.1	
Hyperplasia, Lymphoid																			1	2.0	
Hyperplasia, Plasma Cell																			1	2.0	
Thymus	M	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	38	
Atrophy																			9	2.4	
Integumentary System																					
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 lesion and mean severity grade
 + ..Tissue examined microscopically
 X ..Lesion present
 I ..Insufficient tissue
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 BLANK ..Not examined microscopically
 1-4 ..Lesion qualified as:
 1) Minimal 3) Moderate
 2) Mild 4) Marked

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

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Test Compound: Scopolamine hydrobromide trihydrate
 CAS Number: 6533-68-2

Date Report Requested: 10/16/2014
 Time Report Requested: 06:36:38
 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		
Skin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Musculoskeletal System																				
Bone	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Skeletal Muscle																			1	
Nervous System																				
Brain	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Peripheral Nerve																			1	
Spinal Cord																			1	
Respiratory System																				
Lung	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Alveolar Epith, Hyperplasia									2		4			2					7 2.1	
Nose	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Trachea	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Special Senses System																				
Eye																			3	
Lens, Cataract																			2 1.0	
Harderian Gland	+	M	M	M	M	+	+	+	M	M	M	+	+	M	+	+	M	+	23	
Urinary System																				
Kidney	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Cyst																			1	

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

Experiment Number: 05121-08

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Mouse/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: Scopolamine hydrobromide trihydrate

CAS Number: 6533-68-2

Date Report Requested: 10/16/2014

Time Report Requested: 06:36:38

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	
	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	3	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	
	*TOTALS																		
Nephropathy																		40	1.1
Renal Tubule, Hyperplasia																		1	1.0
Urinary Bladder	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	

END OF MALE DATA

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

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

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Test Compound: Scopolamine hydrobromide trihydrate
 CAS Number: 6533-68-2

Date Report Requested: 10/16/2014
 Time Report Requested: 06:36:38
 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	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	
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	2	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	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Angiectasis																														
Basophilic Focus						X																								
Centrilobular, Necrosis																														
Hyperplasia, Lymphoid						1																								
Mixed Cell Focus											X																		X	
Serosa, Pigmentation, Hemosiderin															1															
Mesentery																														+
Pancreas	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Acinus, Hyperplasia, Focal																1														
Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Erosion																														

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

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

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

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Test Compound: Scopolamine hydrobromide trihydrate
 CAS Number: 6533-68-2

Date Report Requested: 10/16/2014
 Time Report Requested: 06:36:39
 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
0 MG/KG 104/WEEK	3	3	3	3	3	3	3	3	5	2	2	2	2	5	2	2	5	2	5	2	6	2	3	3	3	6	6	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
	1	2	3	4	5	6	7	8	9	0	1	1	2	3	4	5	6	7	8	9	0	1	2	2	2	2	3	4	5	6
Hyperplasia, Focal		2						1				2	2	2	1			1	1	2			1	2	1	2	1	3		1
Infiltration Cellular, Mast Cell																														
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Cardiovascular System																														
Blood Vessel	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Inflammation, Chronic Active																														
Mineralization																														
Endocrine System																														
Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Accessory Adrenal Cortical Nodule																													X	
Hyperplasia								1																						2
Hypertrophy																													3	
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Parathyroid Gland	+	+	+	+	+	M	+	+	M	+	M	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+
Pars Distalis, Hyperplasia																														
Pars Intermed, Hyperplasia							1																							
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Follicular Cel, Hyperplasia													1																	
Inflammation, Chronic Active													1																	

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

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

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

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Test Compound: Scopolamine hydrobromide trihydrate
 CAS Number: 6533-68-2

Date Report Requested: 10/16/2014
 Time Report Requested: 06:36:39
 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	
B6C3F1 Mouse Female	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
0 MG/KG 104/WEEK	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

General Body System

NONE

Genital System

Clitoral Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		
Ovary	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Atrophy																																
Cyst			X				X						X	1		X	2		2													
Hemorrhage																																
Uterus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Hyperplasia, Cystic					2		1	1				2																				
Inflammation, Suppurative																																

Hematopoietic System

Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+				
Myelofibrosis					1			2	2																										
Myeloid Cell, Hyperplasia																																			
Lymph Node, Mandibular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		
Hyperplasia, Lymphoid																																			
Lymph Node, Mediastinal																																			
Lymph Node, Mesenteric	+	+	+	+	+	M	+	+	M	+	+	+	+	+	+	+	+	+	+	M	+	+	+	M	+	M	+	+	+	+	M	+	+		
Spleen	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Hematopoietic Cell Proliferation																																			

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 Lab: BAT

B6C3F1 Mouse Female 0 MG/KG 104/WEEK	DAY ON TEST																														
	0 7 3	0 7 3	0 7 3	0 7 3	0 7 3	0 7 3	0 7 3	0 7 3	0 7 3	0 7 3	0 7 3	0 7 3	0 7 3	0 7 3	0 7 3	0 7 3	0 7 3	0 7 3	0 7 3	0 7 3	0 7 3	0 7 3	0 7 3	0 7 3	0 7 3	0 7 3	0 7 3	0 7 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		
Hyperplasia, Lymphoid																													2		
Thymus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	M		
Atrophy																															
Integumentary System																															
Mammary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		
Skin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		
Musculoskeletal System																															
Bone	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		
Skeletal Muscle																															
Nervous System																															
Brain	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		
Respiratory System																															
Lung	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		
Alveolar Epith, Hyperplasia																															
Infiltration Cellular, Histiocyte																															
Nose	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		
Trachea	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		
Special Senses System																															
Harderian Gland	+	M	+	M	M	M	+	M	M	M	+	+	M	M	M	M	M	M	M	+	M	M	+	+	M	M	M	+	+	+	M

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 X ..Lesion present
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 1-4 ..Lesion qualified as:
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 2) Mild 4) Marked

Experiment Number: 05121-08

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Mouse/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: Scopolamine hydrobromide trihydrate

CAS Number: 6533-68-2

Date Report Requested: 10/16/2014

Time Report Requested: 06:36:39

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	
B6C3F1 Mouse Female	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
0 MG/KG 104/WEEK	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

Urinary System

Kidney	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Nephropathy	1		1	1	1		1	1					1						1		1	1				1	1			
Renal Tubule, Necrosis																														
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	

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

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Test Compound: Scopolamine hydrobromide trihydrate
 CAS Number: 6533-68-2

Date Report Requested: 10/16/2014
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 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	4	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

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	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Angiectasis					2																											
Basophilic Focus																																
Centrilobular, Necrosis																																
Hyperplasia, Lymphoid																																
Mixed Cell Focus																																
Serosa, Pigmentation, Hemosiderin																																
Mesentery			+																													
Pancreas	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Acinus, Hyperplasia, Focal												1																				
Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Erosion																																

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

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

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BLANK ..Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

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

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Test Compound: Scopolamine hydrobromide trihydrate
 CAS Number: 6533-68-2

Date Report Requested: 10/16/2014
 Time Report Requested: 06:36:40
 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				
ANIMAL ID	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					
	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					
Hyperplasia, Focal	2	3		2	2				2	2	1	1			2	2	1	2		1	1	1		1	3	2		2	2	
Infiltration Cellular, Mast Cell														2																
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Cardiovascular System																														
Blood Vessel	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Inflammation, Chronic Active																					1									
Mineralization							1																	1						
Endocrine System																														
Adrenal Cortex	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Accessory Adrenal Cortical Nodule																														
Hyperplasia																														
Hypertrophy																														
Adrenal Medulla	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Parathyroid Gland	+	+	+	+	+	M	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	M	+	+	+	M	+	
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	M	+	M	+	+	+	+
Pars Distalis, Hyperplasia																														
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Thyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Follicular Cel, Hyperplasia	1																													
Inflammation, Chronic Active																														

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

General Body System

NONE

Genital System

Clitoral Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Ovary	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Atrophy																					2						
Cyst					X		X						X						X		X					X	X
Hemorrhage																						4					
Uterus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Hyperplasia, Cystic				2			2			1	1						1		1			1	1	2		1	
Inflammation, Suppurative																								2			

Hematopoietic System

Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Myelofibrosis					1									2									2				
Myeloid Cell, Hyperplasia																							3				
Lymph Node, Mandibular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Hyperplasia, Lymphoid																											
Lymph Node, Mediastinal					+																						
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	M	+	+	M	+	+	+	+	+	+	+	+
Spleen	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Hematopoietic Cell Proliferation																										4	

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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
Hyperplasia, Lymphoid	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Thymus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Atrophy	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Integumentary System	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
Mammary Gland	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	0	0	0	0	0	0	0	0	0	0
Skin	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Musculoskeletal System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bone	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Skeletal Muscle	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Nervous System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Brain	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Respiratory System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Lung	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Alveolar Epith, Hyperplasia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Infiltration Cellular, Histiocyte	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Nose	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Trachea	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Special Senses System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Harderian Gland	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

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

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

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Test Compound: Scopolamine hydrobromide trihydrate
 CAS Number: 6533-68-2

Date Report Requested: 10/16/2014
 Time Report Requested: 06:36:40
 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		
	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
	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	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

Urinary System

Kidney	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Nephropathy																													
Renal Tubule, Necrosis																													
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	

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 + ..Tissue examined microscopically
 X ..Lesion present
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1-4 ..Lesion qualified as:
 1) Minimal 3) Moderate
 2) Mild 4) Marked

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

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Test Compound: Scopolamine hydrobromide trihydrate
 CAS Number: 6533-68-2

Date Report Requested: 10/16/2014
 Time Report Requested: 06:36:40
 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	
Angiectasis	1	2.0
Basophilic Focus	1	
Centrilobular, Necrosis	1	3.0
Hyperplasia, Lymphoid	1	1.0
Mixed Cell Focus	2	
Serosa, Pigmentation, Hemosiderin	1	1.0
Mesentery	2	
Pancreas	60	
Acinus, Hyperplasia, Focal	3	1.0
Salivary Glands	60	
Stomach, Forestomach	60	
Erosion	1	1.0
Hyperplasia, Focal	36	1.7

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Experiment Number: 05121-08

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Mouse/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: Scopolamine hydrobromide trihydrate

CAS Number: 6533-68-2

Date Report Requested: 10/16/2014

Time Report Requested: 06:36:40

First Dose M/F: NA / NA

Lab: BAT

DAY ON TEST

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

ANIMAL ID	*TOTALS	
Infiltration Cellular, Mast Cell Stomach, Glandular	1	2.0
Cardiovascular System		
Blood Vessel	60	
Heart	60	
Inflammation, Chronic Active	1	1.0
Mineralization	2	1.0
Endocrine System		
Adrenal Cortex	59	
Accessory Adrenal Cortical Nodule	1	
Hyperplasia	2	1.5
Hypertrophy	1	3.0
Adrenal Medulla	59	
Islets, Pancreatic	60	
Parathyroid Gland	52	
Pituitary Gland	56	
Pars Distalis, Hyperplasia	2	1.0
Pars Intermed, Hyperplasia	1	1.0
Thyroid Gland	60	
Follicular Cel, Hyperplasia	2	1.0
Inflammation, Chronic Active	1	1.0
General Body System		

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Experiment Number: 05121-08

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Mouse/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: Scopolamine hydrobromide trihydrate

CAS Number: 6533-68-2

Date Report Requested: 10/16/2014

Time Report Requested: 06:36:40

First Dose M/F: NA / NA

Lab: BAT

DAY ON TEST

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

ANIMAL ID

*TOTALS

NONE

Genital System

Clitoral Gland	59		
Ovary	60		
Atrophy	1	2.0	
Cyst	14	1.7	
Hemorrhage	1	4.0	
Uterus	60		
Hyperplasia, Cystic	16	1.3	
Inflammation, Suppurative	1	2.0	

Hematopoietic System

Bone Marrow	60		
Myelofibrosis	7	1.6	
Myeloid Cell, Hyperplasia	1	3.0	
Lymph Node, Mandibular	60		
Hyperplasia, Lymphoid	1	3.0	
Lymph Node, Mediastinal	2		
Lymph Node, Mesenteric	51		
Spleen	60		
Hematopoietic Cell Proliferation	3	4.0	
Hyperplasia, Lymphoid	1	2.0	
Thymus	55		
Atrophy	1	2.0	

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X ..Lesion present

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1-4 ..Lesion qualified as:

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

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
Test Compound: Scopolamine hydrobromide trihydrate
CAS Number: 6533-68-2

Date Report Requested: 10/16/2014
Time Report Requested: 06:36:40
First Dose M/F: NA / NA
Lab: BAT

DAY ON TEST

B6C3F1 Mouse Female
0 MG/KG 104/WEEK

	ANIMAL ID	<u>*TOTALS</u>	
Integumentary System			
Mammary Gland		60	
Skin		60	
Musculoskeletal System			
Bone		60	
Skeletal Muscle		2	
Nervous System			
Brain		60	
Respiratory System			
Lung		60	
Alveolar Epith, Hyperplasia		1	1.0
Infiltration Cellular, Histiocyte		2	2.5
Nose		60	
Trachea		60	
Special Senses System			
Harderian Gland		24	
Urinary System			
Kidney		60	
Nephropathy		16	1.0
Renal Tubule, Necrosis		1	3.0
Urinary Bladder		60	

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X ..Lesion present

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

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Test Compound: Scopolamine hydrobromide trihydrate
 CAS Number: 6533-68-2

Date Report Requested: 10/16/2014
 Time Report Requested: 06:36:40
 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
B6C3F1 Mouse Female	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
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	8
	7	7	0	6	7	7	6	7	7	5	7	1	1	8	7	6	7	7	0	7	0	7	4	7	9	7	7	0	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

Alimentary System

Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Gallbladder	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Inflammation, Chronic Active																													
Intestine Large, Cecum	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Hyperplasia, Lymphoid																													
Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Eosinophilic Focus										X			X					X											
Hematopoietic Cell Proliferation																													
Inflammation, Focal																													
Necrosis																													
Mesentery																													
Pancreas	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Acinus, Atrophy																													
Artery, Inflammation, Chronic Active																													
Duct, Ectasia																													
Salivary Glands	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+

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

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Test Compound: Scopolamine hydrobromide trihydrate
 CAS Number: 6533-68-2

Date Report Requested: 10/16/2014
 Time Report Requested: 06:36:41
 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
B6C3F1 Mouse Female	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	8	0	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	8
	7	7	0	6	7	7	6	7	7	5	5	7	1	1	8	7	6	7	7	0	7	4	7	9	7	7	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	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	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Cyst			X																										
Hyperplasia, Focal	1		3		1	2	3	3	2			2	2		1	1		2	1				2						
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Tooth		+										+																	
Dysplasia		4										4																	
Cardiovascular System																													
Blood Vessel	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Aorta, Inflammation																												4	
Aorta, Thrombosis				4																							4		
Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Mineralization																													
Endocrine System																													
Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Angiectasis			2																										
Capsule, Hyperplasia												3																	
Hyperplasia		1																											
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M
Hyperplasia																													
Parathyroid Gland	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	M	+
Pituitary Gland	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	M	M

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Experiment Number: 05121-08

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Mouse/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: Scopolamine hydrobromide trihydrate

CAS Number: 6533-68-2

Date Report Requested: 10/16/2014

Time Report Requested: 06:36:41

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
B6C3F1 Mouse Female	0	0	0	8	0	0	9	0	0	0	5	0	9	9	8	0	8	9	0	8	0	9	0	8	0	8	0	8	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	8
	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	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	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
Pars Distalis, Hyperplasia								2	1																				2
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Follicular Cel, Hyperplasia								1							1							2		1		2		2	
General Body System																													
NONE																													
Genital System																													
Clitoral Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Duct, Ectasia														1								2							
Inflammation, Chronic Active												3																	
Ovary	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Angiectasis											2																4		
Corpus Luteum, Hyperplasia																			3										
Cyst	X		X						X			X			X						X		X		X			X	X
Inflammation, Chronic Active				4																							4		
Thrombosis																													
Uterus	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Hemorrhage					4																								
Hyperplasia, Cystic	1	1										1			2														
Thrombosis																										4			
Hematopoietic System																													
Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+

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

Experiment Number: 05121-08

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Mouse/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: Scopolamine hydrobromide trihydrate

CAS Number: 6533-68-2

Date Report Requested: 10/16/2014

Time Report Requested: 06:36:42

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	
B6C3F1 Mouse Female	0	0	0	8	0	0	9	0	0	0	5	0	9	9	8	0	8	9	0	8	0	0	9	0	8	0	0	9	0	8
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	8	
	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
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	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
	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

Angiectasis	4																															
Erythroid Cell, Hyperplasia	3																															
Myelofibrosis	2	1						2				2							1		1		1					2	2	1	1	
Myeloid Cell, Hyperplasia				4							2									3									1		4	
Lymph Node			+		+					+			+	+							+		+								+	
Hyperplasia, Lymphoid																																
Lymph Node, Mandibular	+	+	M	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+
Hyperplasia, Lymphoid								3																								
Lymph Node, Mediastinal			+			+				+	+				+	+					+											
Lymph Node, Mesenteric	+	+	+	M	+	+	+	+	+	M	+	+	+	M	+	+	+	M	M	+	+	+	M	+	+	+	+	+	M	+	+	+
Angiectasis													1		2																	
Spleen	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Hematopoietic Cell Proliferation				4					2		3		3	4				3			2		2	3	2	3		3		4		
Hyperplasia, Lymphoid								3													2											
Thymus	+	+	+	M	M	+	+	+	+	+	M	+	M	+	+	+	+	M	+	+	+	+	M	M	+	+	+	+	+	+	M	
Atrophy										4				3						4								2	4	3		
Integumentary System																																
Mammary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Hyperplasia																																
Skin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Subcut Tiss, Inflammation, Chronic Active				4																												

Musculoskeletal System

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

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

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Test Compound: Scopolamine hydrobromide trihydrate
 CAS Number: 6533-68-2

Date Report Requested: 10/16/2014
 Time Report Requested: 06:36:42
 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	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
Bone	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
Nervous System	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
Brain	7	7	0	6	7	7	6	7	7	5	7	1	1	8	7	6	7	7	0	7	7	4	7	9	7	7	0	3	6
Neuron, Necrosis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Peripheral Nerve	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Spinal Cord	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
Respiratory System	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
Lung	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Infiltration Cellular, Lymphocyte																													2
Nose	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Infiltration Cellular, Mast Cell					4																								
Trachea	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Special Senses System																													
Ear																													
Eye																													
Lens, Cataract																													
Harderian Gland	+	+	+	M	+	M	M	M	+	+	M	+	+	M	M	+	M	M	+	M	M	+	M	M	M	M	M	+	M
Urinary System																													
Kidney	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Cytoplasmic Alteration																													
Infiltration Cellular, Lymphocyte																													

* ..Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + ..Tissue examined microscopically
 X ..Lesion present
 I ..Insufficient tissue
 M ..Missing tissue
 A ..Autolysis precludes evaluation
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 1-4 ..Lesion qualified as:
 1) Minimal 3) Moderate
 2) Mild 4) Marked

Experiment Number: 05121-08

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Mouse/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: Scopolamine hydrobromide trihydrate

CAS Number: 6533-68-2

Date Report Requested: 10/16/2014

Time Report Requested: 06:36:42

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
B6C3F1 Mouse Female	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
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	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	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	7	7	7	7	7	7	7	7	7	7	8	8	8	8	8	8	8	8	8	8	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
Nephropathy	1	1				1		1	1			1			1		1					2				1			
Urinary Bladder	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Inflammation, Chronic Active																													3

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

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

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

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Test Compound: Scopolamine hydrobromide trihydrate
 CAS Number: 6533-68-2

Date Report Requested: 10/16/2014
 Time Report Requested: 06:36:42
 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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
	0	0	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			

Alimentary System

Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Gallbladder	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Inflammation, Chronic Active							2												1 2.0
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
Hyperplasia, Lymphoid							1												1 1.0
Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Eosinophilic Focus				X															4
Hematopoietic Cell Proliferation											1								1 1.0
Inflammation, Focal																			1 2.0
Necrosis											1								2 1.0
Mesentery	+			+									+	+					6
Pancreas	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	49
Acinus, Atrophy																4			4 3.5
Artery, Inflammation, Chronic Active																			2 3.0
Duct, Ectasia																			1 4.0
Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49

* ..Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + ..Tissue examined microscopically
 X ..Lesion present
 I ..Insufficient tissue
 M ..Missing tissue
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 1-4 ..Lesion qualified as:
 1) Minimal 3) Moderate
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Experiment Number: 05121-08
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: Mouse/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Test Compound: Scopolamine hydrobromide trihydrate
 CAS Number: 6533-68-2

Date Report Requested: 10/16/2014
 Time Report Requested: 06:36:42
 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		
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Cyst																			1	
Hyperplasia, Focal					2		2			2	3	1		1	3	3	2		23	2.0
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Tooth																			2	
Dysplasia																			2	4.0
Cardiovascular System																				
Blood Vessel	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Aorta, Inflammation																			1	4.0
Aorta, Thrombosis																			2	4.0
Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Mineralization	1																		1	1.0
Endocrine System																				
Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Angiectasis																			1	2.0
Capsule, Hyperplasia																			1	3.0
Hyperplasia															2				2	1.5
Adrenal Medulla	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49	
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49	
Hyperplasia		1																	1	1.0
Parathyroid Gland	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	45	
Pituitary Gland	+	+	+	+	+	M	+	M	M	+	+	+	M	+	+	+	+	+	42	

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1-4 ..Lesion qualified as:

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

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Test Compound: Scopolamine hydrobromide trihydrate
 CAS Number: 6533-68-2

Date Report Requested: 10/16/2014
 Time Report Requested: 06:36:43
 First Dose M/F: NA / NA
 Lab: BAT

B6C3F1 Mouse Female 0 MG/KG 20%/36M	DAY ON TEST																		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	0				
	5	8	8	9	8	7	0	2	8	1	0	3	3	5	8	8	8	3	7	0			
	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	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	0				
	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0				
																						*TOTALS	
Pars Distalis, Hyperplasia																						8	2.1
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+				50	
Follicular Cel, Hyperplasia																						9	1.4
General Body System																							
NONE																							
Genital System																							
Clitoral Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+				50	
Duct, Ectasia																						2	1.5
Inflammation, Chronic Active																						1	3.0
Ovary	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+				49	
Angiectasis																						2	3.0
Corpus Luteum, Hyperplasia																						1	3.0
Cyst	X		X	X		X		X	X						X	X						18	
Inflammation, Chronic Active																						2	4.0
Thrombosis																						1	3.0
Uterus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+				49	
Hemorrhage																						1	4.0
Hyperplasia, Cystic																						9	1.2
Thrombosis																						1	4.0
Hematopoietic System																							
Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+				50	

* ..Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + ..Tissue examined microscopically
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Experiment Number: 05121-08
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: Mouse/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Test Compound: Scopolamine hydrobromide trihydrate
 CAS Number: 6533-68-2

Date Report Requested: 10/16/2014
 Time Report Requested: 06:36:43
 First Dose M/F: NA / NA
 Lab: BAT

DAY ON TEST	ANIMAL ID																				*TOTALS	
	0	1	1	0	1	0	0	0	1	0	0	0	1	1	1	1	0	0				
B6C3F1 Mouse Female	5	0	0	7	0	7	9	9	0	6	9	5	7	0	0	0	9	8				
0 MG/KG 20%/36M	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	0			
Angiectasis																			1	4.0		
Erythroid Cell, Hyperplasia	2										2								4	2.5		
Myelofibrosis			1		2				1	2					1	1	3	1	19	1.5		
Myeloid Cell, Hyperplasia						2	3					3					1		9	2.6		
Lymph Node						+						+		+					13			
Hyperplasia, Lymphoid															4				1	4.0		
Lymph Node, Mandibular	+	+	+	+	+	M	M	+	+	+	+	+	+	+	+	+	+	+	45			
Hyperplasia, Lymphoid																			1	3.0		
Lymph Node, Mediastinal						+		+				+					+		12			
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	43			
Angiectasis					1														3	1.3		
Spleen	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50			
Hematopoietic Cell Proliferation	4			4			3	2		2	3	2	3					21	2.9			
Hyperplasia, Lymphoid																			2	2.5		
Thymus	M	+	+	M	M	+	+	+	+	+	+	+	+	+	+	+	M	M	+	37		
Atrophy						2	3						3						9	3.1		
Integumentary System																						
Mammary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49			
Hyperplasia							2												1	2.0		
Skin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50			
Subcut Tiss, Inflammation, Chronic Active																			1	4.0		
Musculoskeletal System																						

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

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

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

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Test Compound: Scopolamine hydrobromide trihydrate
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B6C3F1 Mouse Female 0 MG/KG 20%/36M	DAY ON TEST	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	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	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
		*TOTALS																		
Bone		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Nervous System																				
Brain		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Neuron, Necrosis												1								1 1.0
Peripheral Nerve					+															1
Spinal Cord					+															1
Respiratory System																				
Lung		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Infiltration Cellular, Lymphocyte																				1 2.0
Nose		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Infiltration Cellular, Mast Cell																				1 4.0
Trachea		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Special Senses System																				
Ear															+					1
Eye																				1
Lens, Cataract																				1 1.0
Harderian Gland		M	+	M	M	+	+	M	+	M	M	M	+	M	M	+	+	M	+	22
Urinary System																				
Kidney		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Cytoplasmic Alteration		4																		1 4.0
Infiltration Cellular, Lymphocyte																				1 2.0

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 + ..Tissue examined microscopically
 X ..Lesion present
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Experiment Number: 05121-08

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Mouse/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: Scopolamine hydrobromide trihydrate

CAS Number: 6533-68-2

Date Report Requested: 10/16/2014

Time Report Requested: 06:36:43

First Dose M/F: NA / NA

Lab: BAT

		DAY ON TEST																				
		0	1	1	0	1	0	0	0	1	0	0	0	0	1	1	1	1	0	0		
B6C3F1 Mouse Female		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		
	0 MG/KG 20%/36M	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	*TOTALS	
Nephropathy			1	1		1				1			1		1	1	2	1		19	1.1	
Urinary Bladder		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49		
Inflammation, Chronic Active																				1	3.0	

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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	0		
B6C3F1 Mouse Female	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
25 MG/KG104/WEEK	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	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

Alimentary System

Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		
Periesoph Tiss, Degeneration																																
Gallbladder	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Basophilic Focus														X																		
Bile Duct, Hyperplasia												2																				
Eosinophilic Focus																																
Necrosis																																
Pancreas	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Acinus, Atrophy																																
Duct, Ectasia																																
Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Hyperplasia, Focal			1			2	2	1		2				3	2	1	2	2	2	3	1	2				2	2	1	2	1		
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	

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

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Test Compound: Scopolamine hydrobromide trihydrate
 CAS Number: 6533-68-2

Date Report Requested: 10/16/2014
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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	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
25 MG/KG104/WEEK	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

Cardiovascular System

Blood Vessel	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Inflammation, Chronic Active																																
Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	

Endocrine System

Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Accessory Adrenal Cortical Nodule																																
Hyperplasia																																
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Parathyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	M	+	M	+	+	+	+	+	+	+	+	+	M
Cyst																																
Pituitary Gland	+	M	+	+	+	+	+	+	M	+	+	M	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Pars Distalis, Hyperplasia																																
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+

General Body System

Tissue NOS																																
Genital System																																
Clitoral Gland	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Ovary	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Angiectasis																																

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Date Report Requested: 10/16/2014

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Test Compound: Scopolamine hydrobromide trihydrate

Time Report Requested: 06:36:44

Route: GAVAGE

CAS Number: 6533-68-2

First Dose M/F: NA / NA

Species/Strain: Mouse/B6C3F1

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

Angiectasis	2																															
Cyst																																
Uterus																																
Hyperplasia, Cystic	1		2																											1	1	
Hematopoietic System																																
Bone Marrow																																
Erythroid Cell, Hyperplasia																																
Myelofibrosis																																
Myeloid Cell, Hyperplasia																																
Lymph Node, Bronchial																																
Lymph Node, Mandibular	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Hyperplasia, Lymphoid																																
Lymph Node, Mediastinal																																
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Hyperplasia, Lymphoid																																
Spleen																																
Hematopoietic Cell Proliferation																																
Thymus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Atrophy																																
Hyperplasia, Lymphoid																																
Integumentary System																																
Mammary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	

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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	0			
B6C3F1 Mouse Female	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	
25 MG/KG104/WEEK	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	1	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	
Skin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Musculoskeletal System																																
Bone	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Nervous System																																
Brain	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Peripheral Nerve																																
Spinal Cord																																
Respiratory System																																
Lung	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Alveolar Epith, Hyperplasia																																
Inflammation, Chronic Active																																
Nose	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Trachea	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Special Senses System																																
Ear																																
Harderian Gland	+	M	+	+	M	M	M	+	+	+	M	M	+	+	M	+	M	M	+	+	M	M	M	+	+	M	M	+	+	M	M	
Inflammation, Chronic Active																																
Urinary System																																
Kidney	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Cytoplasmic Alteration																																

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

Experiment Number: 05121-08

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Mouse/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: Scopolamine hydrobromide trihydrate

CAS Number: 6533-68-2

Date Report Requested: 10/16/2014

Time Report Requested: 06:36:44

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	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
25 MG/KG104/WEEK	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	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
Nephropathy	1								1																						
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+

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

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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	0
B6C3F1 Mouse Female	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
25 MG/KG104/WEEK	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	4	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

Alimentary System

Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Periesoph Tiss, Degeneration												3																	
Gallbladder	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Basophilic Focus																													
Bile Duct, Hyperplasia																													
Eosinophilic Focus																													
Necrosis																													
Pancreas	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Acinus, Atrophy				2			4																						
Duct, Ectasia																													
Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Hyperplasia, Focal	2	1	1			3	2	4	1		2					2	2	2	1	2	3		2	1	2		1		
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+

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

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Test Compound: Scopolamine hydrobromide trihydrate
 CAS Number: 6533-68-2

Date Report Requested: 10/16/2014
 Time Report Requested: 06:36:45
 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
B6C3F1 Mouse Female	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
25 MG/KG104/WEEK	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	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

Cardiovascular System

Blood Vessel	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Inflammation, Chronic Active																													
Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+

Endocrine System

Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Accessory Adrenal Cortical Nodule											2																			
Hyperplasia																						3								
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Parathyroid Gland	+	+	M	+	+	+	M	+	+	+	M	+	+	M	M	+	+	+	+	+	+	+	+	+	+	+	M	M	+	
Cyst																														
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Pars Distalis, Hyperplasia			1																			1		2						
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+

General Body System

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

Genital System

Clitoral Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Ovary	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Angiectasis																													

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Experiment Number: 05121-08

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Mouse/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: Scopolamine hydrobromide trihydrate

CAS Number: 6533-68-2

Date Report Requested: 10/16/2014

Time Report Requested: 06:36:45

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
B6C3F1 Mouse Female	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
25 MG/KG104/WEEK	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
Angiectasis																													
Cyst	X												2	2	1					X			X	X					
Uterus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Hyperplasia, Cystic								1				1	1			1				1		1	1					1	
Hematopoietic System																													
Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Erythroid Cell, Hyperplasia																													
Myelofibrosis				1					1		1			1					1			2	1	2					
Myeloid Cell, Hyperplasia													2																
Lymph Node, Bronchial												+																	
Lymph Node, Mandibular	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Hyperplasia, Lymphoid																													
Lymph Node, Mediastinal												+												+					
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Hyperplasia, Lymphoid																													
Spleen	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Hematopoietic Cell Proliferation													3																
Thymus	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Atrophy																													
Hyperplasia, Lymphoid									4																				
Integumentary System																													
Mammary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+

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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	0
B6C3F1 Mouse Female	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
25 MG/KG104/WEEK	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	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
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
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
Skin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Musculoskeletal System																													
Bone	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Nervous System																													
Brain	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Peripheral Nerve																													
Spinal Cord																													
Respiratory System																													
Lung	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Alveolar Epith, Hyperplasia																													
Inflammation, Chronic Active																													
Nose	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Trachea	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Special Senses System																													
Ear																													
Harderian Gland	+	M	+	M	M	M	+	M	M	+	+	M	M	M	M	M	M	M	+	+	+	M	M	+	M	+	M	M	+
Inflammation, Chronic Active																													
Urinary System																													
Kidney	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Cytoplasmic Alteration																													

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

Experiment Number: 05121-08

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Mouse/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: Scopolamine hydrobromide trihydrate

CAS Number: 6533-68-2

Date Report Requested: 10/16/2014

Time Report Requested: 06:36:45

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	0	0	0
B6C3F1 Mouse Female	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	4	7
25 MG/KG104/WEEK	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	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	3	3	6	3		
Nephropathy	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Urinary Bladder	0	0	0	0	0	0	0	0	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	
	4	4	4	4	4	4	4	4	5	5	5	5	5	5	5	5	5	5	5	5	5	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	
									1	1		1																					
	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+

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

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

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

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
Test Compound: Scopolamine hydrobromide trihydrate
CAS Number: 6533-68-2

Date Report Requested: 10/16/2014
Time Report Requested: 06:36:45
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	
Periesoph Tiss, Degeneration	1	3.0
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	
Liver	60	
Basophilic Focus	2	
Bile Duct, Hyperplasia	1	2.0
Eosinophilic Focus	1	
Necrosis	1	1.0
Pancreas	60	
Acinus, Atrophy	3	3.3
Duct, Ectasia	1	4.0
Salivary Glands	60	
Stomach, Forestomach	60	
Hyperplasia, Focal	37	1.8
Stomach, Glandular	60	
Cardiovascular System		

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

+ ..Tissue examined microscopically

X ..Lesion present

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Experiment Number: 05121-08

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Mouse/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: Scopolamine hydrobromide trihydrate

CAS Number: 6533-68-2

Date Report Requested: 10/16/2014

Time Report Requested: 06:36:45

First Dose M/F: NA / NA

Lab: BAT

DAY ON TEST

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

	ANIMAL ID	*TOTALS
Blood Vessel		60
Inflammation, Chronic Active		1 2.0
Heart		60
Endocrine System		
Adrenal Cortex		60
Accessory Adrenal Cortical Nodule		1 2.0
Hyperplasia		1 3.0
Adrenal Medulla		60
Islets, Pancreatic		60
Parathyroid Gland		49
Cyst		2
Pituitary Gland		56
Pars Distalis, Hyperplasia		4 1.5
Thyroid Gland		59
General Body System		
Tissue NOS		1
Genital System		
Clitoral Gland		59
Ovary		60
Angiectasis		1 2.0
Cyst		9 1.7
Uterus		60

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

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

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Experiment Number: 05121-08

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Mouse/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: Scopolamine hydrobromide trihydrate

CAS Number: 6533-68-2

Date Report Requested: 10/16/2014

Time Report Requested: 06:36:45

First Dose M/F: NA / NA

Lab: BAT

DAY ON TEST

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

ANIMAL ID	<u>*TOTALS</u>	
Hyperplasia, Cystic	17	1.1
Hematopoietic System		
Bone Marrow	60	
Erythroid Cell, Hyperplasia	1	2.0
Myelofibrosis	13	1.2
Myeloid Cell, Hyperplasia	1	2.0
Lymph Node, Bronchial	1	
Lymph Node, Mandibular	58	
Hyperplasia, Lymphoid	1	4.0
Lymph Node, Mediastinal	4	
Lymph Node, Mesenteric	60	
Hyperplasia, Lymphoid	1	4.0
Spleen	60	
Hematopoietic Cell Proliferation	7	2.0
Thymus	59	
Atrophy	1	4.0
Hyperplasia, Lymphoid	2	3.5
Integumentary System		
Mammary Gland	60	
Skin	60	
Musculoskeletal System		
Bone	60	

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X ..Lesion present

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1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

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

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Test Compound: Scopolamine hydrobromide trihydrate
 CAS Number: 6533-68-2

Date Report Requested: 10/16/2014
 Time Report Requested: 06:36:45
 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 Epith, Hyperplasia		4	1.0
Inflammation, Chronic Active		1	1.0
Nose		59	
Trachea		59	
Special Senses System			
Ear		1	
Harderian Gland		26	
Inflammation, Chronic Active		1	2.0
Urinary System			
Kidney		60	
Cytoplasmic Alteration		1	2.0
Nephropathy		6	1.0
Urinary Bladder		60	

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Experiment Number: 05121-08

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Mouse/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: Scopolamine hydrobromide trihydrate

CAS Number: 6533-68-2

Date Report Requested: 10/16/2014

Time Report Requested: 06:36:46

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	1	0	8
	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	
B6C3F1 Mouse Female 25 MG/KG20%/36M	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	5
ANIMAL ID	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	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	1	1
7	7	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	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	

Acinus, Atrophy																																
Duct, Ectasia																																
Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Hyperplasia, Focal		1	3	1	1	2	2					3	1	2	2				1	2	1	1		3			2	4	2			
Mineralization				2																												
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Dysplasia																					2											
Erosion																																
Mineralization				2																												
Tooth																																
Dysplasia																																
Cardiovascular System																																
Blood Vessel	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Degeneration																																
Endocrine System																																
Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Accessory Adrenal Cortical Nodule								1																								
Angiectasis											4																					2
Hyperplasia							1									2																
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	

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

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

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BLANK ..Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

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

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Test Compound: Scopolamine hydrobromide trihydrate
 CAS Number: 6533-68-2

Date Report Requested: 10/16/2014
 Time Report Requested: 06:36:46
 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	0	0	1	1	1	1	0	0	0	1	1	1	1	0	
	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	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	
	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	
	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	
Hyperplasia																														
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Parathyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	
Cyst																														
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	
Pars Distalis, Hyperplasia																														
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Follicular Cel, Hyperplasia						2																						2		
General Body System																														
NONE																														
Genital System																														
Clitoral Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Inflammation, Chronic Active															3															
Ovary	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Angiectasis												3																		
Cyst		X			X	X			X					X	X	X	X			X	X						X	X		
Thrombosis												3																		
Uterus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Hyperplasia, Cystic				1		3	1				1												2	1				1		
Hematopoietic System																														
Blood																													+	

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

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Test Compound: Scopolamine hydrobromide trihydrate
 CAS Number: 6533-68-2

Date Report Requested: 10/16/2014
 Time Report Requested: 06:36:47
 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	0	0	1	1	1	0	0	0	1	1	1	1	0			
	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	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	6	7		
	9	7	7	7	7	0	6	1	7	9	7	0	6	7	7	3	8	7	7	7	7	2	1	0	5	6	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		
	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	8	8	8	8	8	8	8	8	8	8	8	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		
Bone	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		
Nervous System																															
Brain	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Granuloma, Focal																															
Respiratory System																															
Lung	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Alveolar Epith, Hyperplasia																1	1														
Inflammation, Chronic Active																															
Nose	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Trachea	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Special Senses System																															
Ear																															
Eye																															
Lens, Cataract																															
Harderian Gland	M	+	M	+	M	M	M	+	M	M	M	+	+	+	M	+	M	M	+	M	M	M	+	M	+	+	M	M	M	+	+
Hyperplasia																															
Urinary System																															
Kidney	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Nephropathy																															
Pelvis, Inflammation, Chronic Active																															
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	

* ..Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
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Experiment Number: 05121-08
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: Mouse/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Test Compound: Scopolamine hydrobromide trihydrate
 CAS Number: 6533-68-2

Date Report Requested: 10/16/2014
 Time Report Requested: 06:36:47
 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	1	1	0	0	1	1	1	1	0	0	0	1	1	1	1	0	0	0	1	1	1	1	0
		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	8	8	8	8	8	8	0
		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	8	8	5	
		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	7	7	7	7	9	
	ANIMAL ID	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
		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
		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	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	2	3	4	

Inflammation, Chronic Active

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

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

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BLANK ..Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

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

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Test Compound: Scopolamine hydrobromide trihydrate
 CAS Number: 6533-68-2

Date Report Requested: 10/16/2014
 Time Report Requested: 06:36:47
 First Dose M/F: NA / NA
 Lab: BAT

B6C3F1 Mouse Female 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	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	
Periesoph Tiss, Hemorrhage				4																1	4.0
Gallbladder	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	49	
Inflammation, Chronic Active																				1	2.0
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	48	
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49	
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49	
Hemorrhage																				1	2.0
Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Angiectasis																				1	1.0
Basophilic Focus			X									X								3	
Bile Duct, Cyst																				2	
Clear Cell Focus				X																2	
Hematopoietic Cell Proliferation					2															2	2.0
Mixed Cell Focus																				1	
Necrosis																				1	2.0
Mesentery		+													+					6	
Pancreas	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	

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 2) Mild 4) Marked

Experiment Number: 05121-08

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Mouse/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: Scopolamine hydrobromide trihydrate

CAS Number: 6533-68-2

Date Report Requested: 10/16/2014

Time Report Requested: 06:36:47

First Dose M/F: NA / NA

Lab: BAT

B6C3F1 Mouse Female 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						
ANIMAL ID	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0						
	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						
	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	2						
	2	3	4	5	6	7	8	9	0	1	1	2	3	4	5	6	7	8	9	0				
																			*TOTALS					
Acinus, Atrophy	4																		4		3		3 3.7	
Duct, Ectasia	4																		4				2 4.0	
Salivary Glands	+ + + + + + + + + + + + + + + + + +																						50	
Stomach, Forestomach	+ + + + + + + + + + + + + + + + + +																						50	
Hyperplasia, Focal	1 1 1 1 2 2 2 2 2 2																		1				29 1.8	
Mineralization																							1 2.0	
Stomach, Glandular	+ + + + + + + + + + + + + + + + + +																						50	
Dysplasia																							1 2.0	
Erosion																					1		1 1.0	
Mineralization																							1 2.0	
Tooth	+																						2	
Dysplasia																							1 1.0	
Cardiovascular System																								
Blood Vessel	+ + + + + + + + + + + + + + + + + +																						50	
Heart	+ + + + + + + + + + + + + + + + + +																						50	
Degeneration	1																						1 1.0	
Endocrine System																								
Adrenal Cortex	+ + + + + + + + + + + + + + + + + +																						50	
Accessory Adrenal Cortical Nodule																							1 1.0	
Angiectasis																							2 3.0	
Hyperplasia																							2 1.5	
Adrenal Medulla	+ + + + + + + + + + + + + + + + + +																						50	

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BLANK ..Not examined microscopically

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2) Mild 4) Marked

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

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Test Compound: Scopolamine hydrobromide trihydrate
 CAS Number: 6533-68-2

Date Report Requested: 10/16/2014
 Time Report Requested: 06:36:48
 First Dose M/F: NA / NA
 Lab: BAT

B6C3F1 Mouse Female 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		
Hyperplasia	0	9	9	8	7	0	0	8	0	8	0	8	0	9	9	9	6	7	0	0		
Islets, Pancreatic	4	9	8	4	0	8	8	4	8	1	8	8	1	1	7	1	5	9	3	0		
Parathyroid Gland	5	5	7	6	3	7	7	8	7	5	7	7	4	3	4	8	2	9	7	0		
Cyst	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Pituitary Gland	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2		
Pars Distalis, Hyperplasia	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	2		
Thyroid Gland	2	3	4	5																		
Follicular Cel, Hyperplasia						4																
General Body System																						
NONE																						
Genital System																						
Clitoral Gland	+	+	+	+	+	+	+	M	M	+	+	+	+	+	+	+	+	+	+	48		
Inflammation, Chronic Active																						
Ovary	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	1		
Angiectasis																						
Cyst		X	X	X		X		X		X						X				19		
Thrombosis																				1		
Uterus	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	49		
Hyperplasia, Cystic				1	2				4				2							11		
Hematopoietic System																						
Blood																				1		

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Experiment Number: 05121-08

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Mouse/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: Scopolamine hydrobromide trihydrate

CAS Number: 6533-68-2

Date Report Requested: 10/16/2014

Time Report Requested: 06:36:48

First Dose M/F: NA / NA

Lab: BAT

B6C3F1 Mouse Female 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		
ANIMAL ID	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Erythroid Cell, Hyperplasia																		4	1 4.0	
Myelofibrosis								2						1					13 1.3	
Myeloid Cell, Hyperplasia					4													1	7 3.4	
Lymph Node										+								+	8	
Hematopoietic Cell Proliferation																		3	1 3.0	
Lymph Node, Bronchial																			1	
Lymph Node, Mandibular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	47	
Hematopoietic Cell Proliferation																		3	1 3.0	
Lymph Node, Mediastinal										+			+			+			11	
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	48	
Angiectasis																			1 3.0	
Spleen	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Depletion Lymphoid															2				1 2.0	
Hematopoietic Cell Proliferation	4	2			4			2		2								2	17 2.9	
Thymus	+	M	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	42	
Atrophy					4										3			3	5 2.8	
Integumentary System																				
Mammary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	49
Skin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Subcut Tiss, Inflammation, Chronic Active																			1 3.0	
Musculoskeletal System																				

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Experiment Number: 05121-08

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Mouse/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

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CAS Number: 6533-68-2

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First Dose M/F: NA / NA

Lab: BAT

B6C3F1 Mouse Female 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	
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	0	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	0	
Bone	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Nervous System																			
Brain	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Granuloma, Focal									2									1 2.0	
Respiratory System																			
Lung	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Alveolar Epith, Hyperplasia				1														4 1.0	
Inflammation, Chronic Active						1												1 1.0	
Nose	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Trachea	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Special Senses System																			
Ear														+				1	
Eye			+															3	
Lens, Cataract			1															3 1.3	
Harderian Gland	+	+	+	M	+	+	+	M	M	+	M	+	+	+	+	M	M	25	
Hyperplasia			2															1 2.0	
Urinary System																			
Kidney	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Nephropathy	1						1	1				1						13 1.1	
Pelvis, Inflammation, Chronic Active								2										1 2.0	
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	49	

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P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

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B6C3F1 Mouse Female 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	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	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	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
		*TOTALS																			
Inflammation, Chronic Active		2																			1 2.0

** END OF REPORT **

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