

Experiment Number: 20107-02
Test Type: 90-DAY
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
Test Compound: N,N-Dimethyl-p-toluidine
CAS Number: 99-97-8

Date Report Requested: 10/21/2014
Time Report Requested: 09:19:12
First Dose M/F: NA / NA
Lab: BAT

C Number:	C20107
Lock Date:	07/14/2004
Cage Range:	All
Date Range:	All
Reasons For Removal:	All
Removal Date Range:	All
Treatment Groups:	All
Study Gender:	Both
PWG Approval Date	NONE

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

B6C3F1 Mouse Male 0 MG/KG	DAY ON TEST										ANIMAL ID
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	9	9	9	9	9	9	9	9	9	9	
	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	1	
	1	2	3	4	5	6	7	8	9	0	*TOTALS
Spleen	+	+	+	+	+	+	+	+	+	+	10
Thymus	+	+	+	+	+	+	+	+	+	+	10
Integumentary System											
Mammary Gland	M	M	M	M	M	M	M	M	M	M	0
Skin	+	+	+	+	+	+	+	+	+	+	10
Musculoskeletal System											
Bone	+	+	+	+	+	+	+	+	+	+	10
Nervous System											
Brain	+	+	+	+	+	+	+	+	+	+	10
Respiratory System											
Lung	+	+	+	+	+	+	+	+	+	+	10
Nose	+	+	+	+	+	+	+	+	+	+	10
Trachea	+	+	+	+	+	+	+	+	+	+	10
Special Senses System											
Eye	+	+	+	+	+	+	+	+	+	+	10
Harderian Gland	+	+	+	+	+	+	+	+	+	+	10
Urinary System											
Kidney	+	+	+	+	+	+	+	+	+	+	10
Inflammation, Chronic Active				1							1 1.0

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

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

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 Lab: BAT

B6C3F1 Mouse Male
0 MG/KG

	DAY ON TEST										
	0	0	0	0	0	0	0	0	0	0	
ANIMAL ID	0	0	0	0	0	0	0	0	0	0	
	9	9	9	9	9	9	9	9	9	9	
	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	1	
	1	2	3	4	5	6	7	8	9	0	*TOTALS
Mineralization							1				1 1.0
Nephropathy									1		1 1.0
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	10

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Date Report Requested: 10/21/2014
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 First Dose M/F: NA / NA
 Lab: BAT

B6C3F1 Mouse Male 15 MG/KG	DAY ON TEST	ANIMAL ID	0	0	0	0	0	0	0	0	0	0	0	0	0	*TOTALS
			0	0	0	0	0	0	0	0	0	0	0	0	0	
			9	9	9	9	9	9	9	9	9	9	9	9	9	
			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	
			1	1	1	1	1	1	1	1	1	1	1	2		
			1	2	3	4	5	6	7	8	9	0				

Alimentary System

Liver	+	+	+	+	+	+	+	+	+	+	+	10	
Hepatocyte, Vacuolization Cytoplasmic	3	3	3	3	3	3	3	3	3	3	3	10	3.0
Inflammation, Chronic Active	1	1	1	1	1	2	1	1	1	1	1	10	1.1

Cardiovascular System

NONE

Endocrine System

NONE

General Body System

NONE

Genital System

NONE

Hematopoietic System

Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	10	
Lymph Node, Mandibular	+	+	+	+	+	+	+	+	+	+	+	10	
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	+	10	
Spleen	+	+	+	+	+	+	+	+	+	+	+	10	
Thymus	+	+	+	+	+	+	+	+	+	+	+	10	

Integumentary System

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		0	0	0	0	0	0	0	0	0	0	
		9	9	9	9	9	9	9	9	9	9	
		3	3	3	3	3	3	3	3	3	3	
	ANIMAL ID	0	0	0	0	0	0	0	0	0	0	
		0	0	0	0	0	0	0	0	0	0	
		0	0	0	0	0	0	0	0	0	0	
		1	1	1	1	1	1	1	1	1	2	
		1	2	3	4	5	6	7	8	9	0	*TOTALS
NONE												
Musculoskeletal System												
NONE												
Nervous System												
NONE												
Respiratory System												
Lung		+	+	+	+	+	+	+	+	+	+	10
Nose		+	+	+	+	+	+	+	+	+	+	10
Trachea		+	+	+	+	+	+	+	+	+	+	10
Special Senses System												
NONE												
Urinary System												
Kidney		+	+	+	+	+	+	+	+	+	+	10

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B6C3F1 Mouse Male 30 MG/KG	DAY ON TEST	0	0	0	0	0	0	0	0	0	0	
		0	0	0	0	0	0	0	0	0	0	
		9	9	9	9	9	9	9	9	9	9	
		3	3	3	3	3	3	3	3	3	3	
	ANIMAL ID	0	0	0	0	0	0	0	0	0	0	
		0	0	0	0	0	0	0	0	0	0	
		0	0	0	0	0	0	0	0	0	0	
		2	2	2	2	2	2	2	2	2	3	
		1	2	3	4	5	6	7	8	9	0	*TOTALS

Alimentary System

Liver	+	+	+	+	+	+	+	+	+	+	10	
Hematopoietic Cell Proliferation				2							1	2.0
Hepatocyte, Vacuolization Cytoplasmic	1	1	3	3		3	3	4	3	2	9	2.6
Inflammation, Chronic Active	1	1	1	1	2	1	1	2	1	1	10	1.2

Cardiovascular System

NONE

Endocrine System

NONE

General Body System

NONE

Genital System

NONE

Hematopoietic System

Bone Marrow	+	+	+	+	+	+	+	+	+	+	10	
Lymph Node, Mandibular	+	+	+	+	+	+	+	+	+	+	10	
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	10	
Spleen	+	+	+	+	+	+	+	+	+	+	10	
Thymus	+	+	+	+	+	+	+	+	+	+	10	

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		0	0	0	0	0	0	0	0	0	0	
		9	9	9	9	9	9	9	9	9	9	
		3	3	3	3	3	3	3	3	3	3	
	ANIMAL ID	0	0	0	0	0	0	0	0	0	0	
		0	0	0	0	0	0	0	0	0	0	
		0	0	0	0	0	0	0	0	0	0	
		2	2	2	2	2	2	2	2	2	3	
		1	2	3	4	5	6	7	8	9	0	*TOTALS

Integumentary System

NONE

Musculoskeletal System

NONE

Nervous System

NONE

Respiratory System

Lung	+	+	+	+	+	+	+	+	+	+	10
Nose	+	+	+	+	+	+	+	+	+	+	10
Trachea	+	+	+	+	+	+	+	+	+	+	10

Special Senses System

NONE

Urinary System

Kidney	+	+	+	+	+	+	+	+	+	+	10
--------	---	---	---	---	---	---	---	---	---	---	----

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B6C3F1 Mouse Male 60 MG/KG	DAY ON TEST	0	0	0	0	0	0	0	0	0	0	
		0	0	0	0	0	0	0	0	0	0	
		9	9	9	9	9	9	9	9	9	9	
		3	3	3	3	3	3	3	3	3	3	
	ANIMAL ID	0	0	0	0	0	0	0	0	0	0	
		0	0	0	0	0	0	0	0	0	0	
		0	0	0	0	0	0	0	0	0	0	
		3	3	3	3	3	3	3	3	3	4	
		1	2	3	4	5	6	7	8	9	0	*TOTALS

Alimentary System

Liver	+	+	+	+	+	+	+	+	+	+	10	
Hematopoietic Cell Proliferation	2										1	2.0
Hepatocyte, Vacuolization Cytoplasmic	3	2	2	2	3	2	3	2	4	3	10	2.6
Inflammation, Chronic Active	1	2	1	1	1	1	1	1	1	1	10	1.1

Cardiovascular System

NONE

Endocrine System

NONE

General Body System

NONE

Genital System

NONE

Hematopoietic System

Bone Marrow	+	+	+	+	+	+	+	+	+	+	10	
Lymph Node, Mandibular	+	+	+	+	+	+	+	+	+	+	10	
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	10	
Spleen	+	+	+	+	+	+	+	+	+	+	10	
Thymus	+	+	+	+	+	+	+	+	+	+	10	

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B6C3F1 Mouse Male 60 MG/KG	DAY ON TEST	0	0	0	0	0	0	0	0	0	0	
		0	0	0	0	0	0	0	0	0	0	
		9	9	9	9	9	9	9	9	9	9	
		3	3	3	3	3	3	3	3	3	3	
	ANIMAL ID	0	0	0	0	0	0	0	0	0	0	
		0	0	0	0	0	0	0	0	0	0	
		0	0	0	0	0	0	0	0	0	0	
		3	3	3	3	3	3	3	3	3	4	
		1	2	3	4	5	6	7	8	9	0	*TOTALS

Integumentary System

NONE

Musculoskeletal System

NONE

Nervous System

NONE

Respiratory System

Lung	+	+	+	+	+	+	+	+	+	+	10	
Bronchiole, Epithelium, Degeneration						2					1	2.0
Bronchiole, Epithelium, Regeneration						2					1	2.0
Nose	+	+	+	+	+	+	+	+	+	+	10	
Trachea	+	+	+	+	+	+	+	+	+	+	10	

Special Senses System

NONE

Urinary System

Kidney	+	+	+	+	+	+	+	+	+	+	10	
Inflammation, Chronic Active	1										1	1.0
Nephropathy			1								1	1.0

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X ..Lesion present

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Lab: BAT

B6C3F1 Mouse Male 125 MG/KG	DAY ON TEST										ANIMAL ID	
	0	0	0	0	0	0	0	0	0	0		
	0	0	0	0	0	0	0	0	0	0		
	9	9	7	9	0	9	9	9	0	9		
	3	3	7	3	8	3	3	3	9	3		
	0	0	0	0	0	0	0	0	0	0		
	0	0	0	0	0	0	0	0	0	0		
	0	0	0	0	0	0	0	0	0	0		
	4	4	4	4	4	4	4	4	4	5		
	1	2	3	4	5	6	7	8	9	0		
												*TOTALS
Blood Vessel	+	+	+	+	+	+	+	+	+	+		10
Heart	+	+	+	+	+	+	+	+	+	+		10
Mineralization			1									1 1.0
Endocrine System												
Adrenal Cortex	+	+	+	+	+	+	+	+	+	+		10
Accessory Adrenal Cortical Nodule			1									1 1.0
Subcapsular, Hyperplasia	1						1					2 1.0
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+		10
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+		10
Parathyroid Gland	+	+	+	+	+	M	M	+	+	M		7
Pituitary Gland	+	+	+	+	+	+	+	+	+	+		10
Thyroid Gland	+	+	+	+	+	+	+	+	+	+		10
General Body System												
NONE												
Genital System												
Coagulating Gland			+									1
Inflammation, Chronic Active			2									1 2.0
Epididymis	+	+	+	+	+	+	+	+	+	+		10
Inflammation, Chronic Active			3									1 3.0
Necrosis			3									1 3.0
Preputial Gland	+	+	+	+	+	+	+	+	+	+		10

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Lab: BAT

	DAY ON TEST										
	0	0	0	0	0	0	0	0	0	0	
B6C3F1 Mouse Male 125 MG/KG	0	0	0	0	0	0	0	0	0	0	
	9	9	7	9	0	9	9	9	0	9	
ANIMAL ID	3	3	7	3	8	3	3	3	9	3	
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	4	4	4	4	4	4	4	4	4	5	
	1	2	3	4	5	6	7	8	9	0	
											*TOTALS
Inflammation, Chronic Active			2								1 2.0
Necrosis			4								1 4.0
Prostate	+	+	+	+	+	+	+	+	+	+	10
Inflammation, Chronic Active			2								1 2.0
Necrosis			4								1 4.0
Seminal Vesicle	+	+	+	+	+	+	+	+	+	+	10
Inflammation, Chronic Active			2								1 2.0
Testes	+	+	+	+	+	+	+	+	+	+	10
Germinal Epith, Degeneration			2								1 2.0
Hematopoietic System											
Bone Marrow	+	+	+	+	+	+	+	+	+	+	10
Lymph Node, Mandibular	+	+	+	+	+	+	+	+	+	+	10
Atrophy					2				2		2 2.0
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	10
Atrophy					4					2	2 3.0
Spleen	+	+	+	+	+	+	+	+	+	+	10
Atrophy			3		3				4		3 3.3
Hematopoietic Cell Proliferation				2							1 2.0
Thymus	+	+	+	+	+	+	+	+	+	+	10
Atrophy				3	4				3		3 3.3
Thymocyte, Necrosis	2	2	2	2		2	2	2		2	8 2.0

Integumentary System

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	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	9	9	7	9	0	9	9	9	0	9	
	3	3	7	3	8	3	3	3	9	3	
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	4	4	4	4	4	4	4	4	4	5	
	1	2	3	4	5	6	7	8	9	0	
	*TOTALS										
Mammary Gland	M	M	M	M	M	M	M	M	M	M	0
Skin	+	+	+	+	+	+	+	+	+	+	10
Subcut Tiss, Inflammation, Chronic Active			2								1 2.0
Subcut Tiss, Necrosis			4								1 4.0
Musculoskeletal System											
Bone	+	+	+	+	+	+	+	+	+	+	10
Nervous System											
Brain	+	+	+	+	+	+	+	+	+	+	10
Respiratory System											
Lung	+	+	+	+	+	+	+	+	+	+	10
Alveolus, Infiltration Cellular, Histiocyte							2			2	2 2.0
Bronchiole, Epithelium, Degeneration	3	3	3	3	4	3	3	1	4	1	10 2.8
Bronchiole, Epithelium, Regeneration	3	3	3	3	2	3	3	1		3	9 2.7
Bronchus, Epithelium, Regeneration									3		1 3.0
Peribronchiolr, Inflammation, Chronic Active	3	2	2	2	3	1	1		4	2	9 2.2
Nose	+	+	+	+	+	+	+	+	+	+	10
Glands, Hyperplasia	2	2		2		2	2	2		2	7 2.0
Inflammation, Chronic Active									1		1 1.0
Olfactory Epi, Degeneration	3	3	4	3	3	3	2	3		2	9 2.9
Olfactory Epi, Metaplasia	2	2		2		3		2		3	6 2.3
Respirat Epith, Degeneration			2								1 2.0

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

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

Experiment Number: 20107-02
 Test Type: 90-DAY
 Route: GAVAGE
 Species/Strain: Mouse/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Test Compound: N,N-Dimethyl-p-toluidine
 CAS Number: 99-97-8

Date Report Requested: 10/21/2014
 Time Report Requested: 09:19:13
 First Dose M/F: NA / NA
 Lab: BAT

	DAY ON TEST										ANIMAL ID
	0	0	0	0	0	0	0	0	0	0	
B6C3F1 Mouse Male	0	0	0	0	0	0	0	0	0	0	
125 MG/KG	9	9	7	9	0	9	9	9	0	9	
	3	3	7	3	8	3	3	3	9	3	
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	4	4	4	4	4	4	4	4	4	5	
	1	2	3	4	5	6	7	8	9	0	
	*TOTALS										
Trachea	+	+	+	+	+	+	+	+	+	+	10
Epithelium, Degeneration		1		1							2 1.0
Epithelium, Hyperplasia								4			1 4.0
Epithelium, Necrosis			4		4						2 4.0
Special Senses System											
Eye	+	+	+	+	+	+	+	+	+	+	10
Harderian Gland	+	+	+	+	+	+	+	+	+	+	10
Urinary System											
Kidney	+	+	+	+	+	+	+	+	+	+	10
Mineralization			1								1 1.0
Nephropathy						1		1			2 1.0
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	10

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

+ ..Tissue examined microscopically

X ..Lesion present

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1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

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Experiment Number: 20107-02
 Test Type: 90-DAY
 Route: GAVAGE
 Species/Strain: Mouse/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Test Compound: N,N-Dimethyl-p-toluidine
 CAS Number: 99-97-8

Date Report Requested: 10/21/2014
 Time Report Requested: 09:19:13
 First Dose M/F: NA / NA
 Lab: BAT

B6C3F1 Mouse Male 250 MG/KG	DAY ON TEST	0	0	0	0	0	0	0	0	0	0	
		0	0	0	0	0	0	0	0	0	0	
		0	0	0	0	0	0	0	0	9	0	
		3	3	9	3	3	3	5	3	3	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	
		5	5	5	5	5	5	5	5	5	6	
		1	2	3	4	5	6	7	8	9	0	*TOTALS

Alimentary System

Esophagus	+	+	+	+	+	+	+	+	+	+	10	
Gallbladder	+	+	+	+	+	+	+	+	+	+	10	
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	10	
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	10	
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	10	
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	10	
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	+	10	
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	+	10	
Liver	+	+	+	+	+	+	+	+	+	+	10	
Hepatocyte, Fatty Change	2	2		2	2	2	3	2		3	8	2.3
Hepatocyte, Necrosis			2		2		2			2	4	2.0
Hepatocyte, Vacuolization Cytoplasmic									3		1	3.0
Inflammation, Chronic Active									1		1	1.0
Tension Lipidosis					2						1	2.0
Pancreas	+	+	+	+	+	+	+	+	+	+	10	
Salivary Glands	+	+	+	+	+	+	+	+	+	+	10	
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	10	
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	10	

Cardiovascular System

Blood Vessel	+	+	+	+	+	+	+	+	+	+	10	
Heart	+	+	+	+	+	+	+	+	+	+	10	

* ..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: 20107-02

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Mouse/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 10/21/2014

Time Report Requested: 09:19:13

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	9	0				
		3	3	9	3	3	3	5	3	3	5				
		0	0	0	0	0	0	0	0	0	0	ANIMAL ID			
		0	0	0	0	0	0	0	0	0	0				
		0	0	0	0	0	0	0	0	0	0				
		5	5	5	5	5	5	5	5	5	6				
		1	2	3	4	5	6	7	8	9	0				
														*TOTALS	
Mineralization														1	1.0
Endocrine System															
Adrenal Cortex		M	+	+	+	+	+	+	+	+	+			9	
Accessory Adrenal Cortical Nodule		2												1	2.0
Adrenal Medulla		M	+	+	+	+	+	+	+	+	+			9	
Islets, Pancreatic		+	+	+	+	+	+	+	+	+	+			10	
Parathyroid Gland		+	+	+	M	+	+	+	+	+	+			9	
Pituitary Gland		M	+	+	+	+	+	+	+	+	+			9	
Thyroid Gland		+	+	+	+	+	+	+	+	+	+			10	
General Body System															
NONE															
Genital System															
Epididymis		+	+	+	+	+	+	+	+	+	+			10	
Preputial Gland		+	+	+	+	+	+	+	+	+	+			10	
Prostate		+	+	+	+	+	+	+	+	+	+			10	
Seminal Vesicle		+	+	+	+	+	+	+	+	+	+			10	
Testes		+	+	+	+	+	+	+	+	+	+			10	
Hematopoietic System															
Bone Marrow		+	+	+	+	+	+	+	+	+	+			10	
Lymph Node		+								+				2	
Bronchial, Atrophy									2					1	2.0

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

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

Experiment Number: 20107-02
 Test Type: 90-DAY
 Route: GAVAGE
 Species/Strain: Mouse/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Test Compound: N,N-Dimethyl-p-toluidine
 CAS Number: 99-97-8

Date Report Requested: 10/21/2014
 Time Report Requested: 09:19:14
 First Dose M/F: NA / NA
 Lab: BAT

B6C3F1 Mouse Male 250 MG/KG	DAY ON TEST										ANIMAL ID	
	0	0	0	0	0	0	0	0	0	0		
	0	0	0	0	0	0	0	0	0	0		
	3	3	9	3	3	3	5	3	3	5		
	0	0	0	0	0	0	0	0	0	0		
	0	0	0	0	0	0	0	0	0	0		
	0	0	0	0	0	0	0	0	0	0		
	5	5	5	5	5	5	5	5	5	6		
	1	2	3	4	5	6	7	8	9	0		
	*TOTALS											
Bronchial, Atrophy								2			1	2.0
Inguinal, Necrosis, Lymphoid	2										1	2.0
Lymph Node, Mandibular	+	+	+	+	+	+	+	M	+	+	9	
Atrophy			2				2				2	2.0
Necrosis, Lymphoid	2	2		2	2	2					5	2.0
Lymph Node, Mesenteric	+	+	M	+	+	+	+	+	+	+	9	
Atrophy							2	2			2	2.0
Necrosis, Lymphoid	2	2		2	2	1					5	1.8
Spleen	+	+	+	+	+	+	+	+	+	+	10	
Atrophy	3	3	4	2		3	3	3		3	8	3.0
Lymph Follic, Necrosis	2	2		2	2	2		3			6	2.2
Thymus	+	+	+	+	+	+	+	+	+	+	10	
Atrophy			4				3			3	3	3.3
Thymocyte, Necrosis	4	4		4	4	4		4		2	7	3.7
Integumentary System												
Mammary Gland	M	M	M	M	M	M	M	M	M	M	0	
Skin	+	+	+	+	+	+	+	+	+	+	10	
Musculoskeletal System												
Bone	+	+	+	+	+	+	+	+	+	+	10	
Nervous System												
Brain	+	+	+	+	+	+	+	+	+	+	10	

* ..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: 20107-02

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Mouse/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 10/21/2014

Time Report Requested: 09:19:14

First Dose M/F: NA / NA

Lab: BAT

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

Alimentary System

Esophagus	+	+	+	+	+	+	+	+	+	+	10
Gallbladder	+	+	+	+	+	+	+	+	+	+	10
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	10
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	10
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	10
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	10
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	+	10
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	+	10
Liver	+	+	+	+	+	+	+	+	+	+	10
Hepatocyte, Necrosis		1	1							2	3 1.3
Hepatocyte, Vacuolization Cytoplasmic	1	1	1	1	1	1	1	1	1	1	10 1.0
Inflammation, Chronic Active	1	1	1	1	1	1	1	1	1	2	10 1.1
Pancreas	+	+	+	+	+	+	+	+	+	+	10
Salivary Glands	+	+	+	+	+	+	+	+	+	+	10
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	10
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	10

Cardiovascular System

Blood Vessel	+	+	+	+	+	+	+	+	+	+	10
Heart	+	+	+	+	+	+	+	+	+	+	10

Endocrine System

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

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

Experiment Number: 20107-02

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Mouse/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 10/21/2014

Time Report Requested: 09:19:14

First Dose M/F: NA / NA

Lab: BAT

B6C3F1 Mouse Female 0 MG/KG		DAY ON TEST										ANIMAL ID		*TOTALS	
		0	0	0	0	0	0	0	0	0	0				
		0	0	0	0	0	0	0	0	0	0				
		9	9	9	9	9	9	9	9	9	9				
		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				
		6	6	6	6	6	6	6	6	6	7				
		1	2	3	4	5	6	7	8	9	0				
Adrenal Cortex		+	+	+	+	+	+	+	+	+	+	10			
Accessory Adrenal Cortical Nodule							X					1			
Subcapsular, Hyperplasia		1	2	2	1	1	2	1	2	1	1	10 1.4			
Adrenal Medulla		+	+	+	+	+	+	+	+	+	+	10			
Islets, Pancreatic		+	+	+	+	+	+	+	+	+	+	10			
Parathyroid Gland		+	+	+	+	+	+	+	M	+	+	9			
Pituitary Gland		+	+	+	+	+	+	+	+	+	+	10			
Thyroid Gland		+	+	+	+	+	+	+	+	+	+	10			
General Body System															
NONE															
Genital System															
Clitoral Gland		+	+	+	+	+	+	+	+	+	+	10			
Ovary		+	+	+	+	+	+	+	+	+	+	10			
Cyst							X					1			
Uterus		+	+	+	+	+	+	+	+	+	+	10			
Hematopoietic System															
Bone Marrow		+	+	+	+	+	+	+	+	+	+	10			
Lymph Node, Mandibular		+	+	+	+	+	+	+	+	+	+	10			
Lymph Node, Mesenteric		+	+	+	+	+	+	+	+	+	+	10			
Spleen		+	+	+	+	+	+	+	+	+	+	10			
Thymus		+	+	+	+	+	+	+	+	+	+	10			

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

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

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1-4 ..Lesion qualified as:

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2) Mild 4) Marked

Experiment Number: 20107-02

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Mouse/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 10/21/2014

Time Report Requested: 09:19:14

First Dose M/F: NA / NA

Lab: BAT

B6C3F1 Mouse Female 0 MG/KG	DAY ON TEST										ANIMAL ID	
	0	0	0	0	0	0	0	0	0	0		
	0	0	0	0	0	0	0	0	0	0		
	9	9	9	9	9	9	9	9	9	9		
	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		
	6	6	6	6	6	6	6	6	6	7		
	1	2	3	4	5	6	7	8	9	0		
	*TOTALS											
Inflammation, Chronic Active					1						1	1.0
Integumentary System												
Mammary Gland	+	+	+	+	+	+	+	+	+	+		10
Skin	+	+	+	+	+	+	+	+	+	+		10
Musculoskeletal System												
Bone	+	+	+	+	+	+	+	+	+	+		10
Nervous System												
Brain	+	+	+	+	+	+	+	+	+	+		10
Respiratory System												
Lung	+	+	+	+	+	+	+	+	+	+		10
Nose	+	+	+	+	+	+	+	+	+	+		10
Glands, Dilatation						2	2				2	2.0
Trachea	+	+	+	+	+	+	+	+	+	+		10
Special Senses System												
Eye	+	+	+	+	+	+	+	+	+	+		10
Harderian Gland	+	+	+	+	+	M	+	+	+	+		9
Urinary System												
Kidney	+	+	+	+	+	+	+	+	+	+		10
Inflammation, Chronic Active				1				1			2	1.0

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

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

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Experiment Number: 20107-02

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Mouse/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 10/21/2014

Time Report Requested: 09:19:14

First Dose M/F: NA / NA

Lab: BAT

B6C3F1 Mouse Female 0 MG/KG	DAY ON TEST	0	0	0	0	0	0	0	0	0	0	
		0	0	0	0	0	0	0	0	0	0	
		9	9	9	9	9	9	9	9	9	9	
		3	3	3	3	3	3	3	3	3	3	
	ANIMAL ID	0	0	0	0	0	0	0	0	0	0	
		0	0	0	0	0	0	0	0	0	0	
		0	0	0	0	0	0	0	0	0	0	
		6	6	6	6	6	6	6	6	6	7	
		1	2	3	4	5	6	7	8	9	0	
												*TOTALS
Urinary Bladder												10

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

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

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1-4 ..Lesion qualified as:

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Experiment Number: 20107-02
 Test Type: 90-DAY
 Route: GAVAGE
 Species/Strain: Mouse/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Test Compound: N,N-Dimethyl-p-toluidine
 CAS Number: 99-97-8

Date Report Requested: 10/21/2014
 Time Report Requested: 09:19:14
 First Dose M/F: NA / NA
 Lab: BAT

B6C3F1 Mouse Female 15 MG/KG	DAY ON TEST	0	0	0	0	0	0	0	0	0	0	
		0	0	0	0	0	0	0	0	0	0	
		9	9	9	9	9	9	9	9	9	9	
		3	3	3	3	3	3	3	3	3	3	
	ANIMAL ID	0	0	0	0	0	0	0	0	0	0	
		0	0	0	0	0	0	0	0	0	0	
		0	0	0	0	0	0	0	0	0	0	
		7	7	7	7	7	7	7	7	7	8	
		1	2	3	4	5	6	7	8	9	0	*TOTALS

Alimentary System

Liver	+	+	+	+	+	+	+	+	+	+	10	
Hepatocyte, Necrosis	1										1	1.0
Hepatocyte, Vacuolization Cytoplasmic	3	2	2	2	2	1	1	3	3	3	10	2.2
Inflammation, Chronic Active	1	1	1	1	1	1	1	1	1	1	10	1.0

Cardiovascular System

NONE

Endocrine System

NONE

General Body System

NONE

Genital System

NONE

Hematopoietic System

Bone Marrow	+	+	+	+	+	+	+	+	+	+	10	
Lymph Node, Mandibular	+	+	+	+	+	+	+	+	+	+	10	
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	10	
Spleen	+	+	+	+	+	+	+	+	+	+	10	
Thymus	+	+	+	+	+	+	+	+	+	+	10	

* ..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: 20107-02
 Test Type: 90-DAY
 Route: GAVAGE
 Species/Strain: Mouse/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Test Compound: N,N-Dimethyl-p-toluidine
 CAS Number: 99-97-8

Date Report Requested: 10/21/2014
 Time Report Requested: 09:19:14
 First Dose M/F: NA / NA
 Lab: BAT

B6C3F1 Mouse Female 15 MG/KG	DAY ON TEST	0	0	0	0	0	0	0	0	0	0	
		0	0	0	0	0	0	0	0	0	0	
		9	9	9	9	9	9	9	9	9	9	
		3	3	3	3	3	3	3	3	3	3	
	ANIMAL ID	0	0	0	0	0	0	0	0	0	0	
		0	0	0	0	0	0	0	0	0	0	
		0	0	0	0	0	0	0	0	0	0	
		7	7	7	7	7	7	7	7	7	8	
		1	2	3	4	5	6	7	8	9	0	*TOTALS

Integumentary System

NONE

Musculoskeletal System

NONE

Nervous System

NONE

Respiratory System

Lung	+	+	+	+	+	+	+	+	+	+	10	
Peribronchiolr, Inflammation, Chronic Active					2						1	2.0
Nose	+	+	+	+	+	+	+	+	+	+	10	
Trachea	+	+	+	+	+	+	+	+	+	+	10	

Special Senses System

NONE

Urinary System

Kidney	+	+	+	+	+	+	+	+	+	+	10	
--------	---	---	---	---	---	---	---	---	---	---	----	--

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Experiment Number: 20107-02
 Test Type: 90-DAY
 Route: GAVAGE
 Species/Strain: Mouse/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Test Compound: N,N-Dimethyl-p-toluidine
 CAS Number: 99-97-8

Date Report Requested: 10/21/2014
 Time Report Requested: 09:19:14
 First Dose M/F: NA / NA
 Lab: BAT

B6C3F1 Mouse Female 30 MG/KG	DAY ON TEST	ANIMAL ID	0	0	0	0	0	0	0	0	0	0	0	0	0	*TOTALS
			0	0	0	0	0	0	0	0	0	0	0	0	0	
			9	9	9	9	9	9	9	9	9	9	9	9	9	
			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	
			8	8	8	8	8	8	8	8	8	8	8	8	9	
			1	2	3	4	5	6	7	8	9	0				

Alimentary System

Liver	+	+	+	+	+	+	+	+	+	+	+	10		
Hepatocyte, Vacuolization Cytoplasmic	3	3	3	2	2	1	2			1	2	9	2.1	
Inflammation, Chronic Active	1	1	1	1	1	1	1	1	1	1	1	10	1.0	

Cardiovascular System

NONE

Endocrine System

NONE

General Body System

NONE

Genital System

NONE

Hematopoietic System

Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	10		
Lymph Node, Mandibular	+	+	+	+	+	+	+	+	+	+	+	10		
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	+	10		
Spleen	+	+	+	+	+	+	+	+	+	+	+	10		
Thymus	+	+	+	+	+	+	+	+	+	+	+	10		
Thymocyte, Necrosis	1											1	1.0	

* ..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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1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

Experiment Number: 20107-02
 Test Type: 90-DAY
 Route: GAVAGE
 Species/Strain: Mouse/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Test Compound: N,N-Dimethyl-p-toluidine
 CAS Number: 99-97-8

Date Report Requested: 10/21/2014
 Time Report Requested: 09:19:14
 First Dose M/F: NA / NA
 Lab: BAT

B6C3F1 Mouse Female 30 MG/KG	DAY ON TEST	0	0	0	0	0	0	0	0	0	0	
		0	0	0	0	0	0	0	0	0	0	
		9	9	9	9	9	9	9	9	9	9	
		3	3	3	3	3	3	3	3	3	3	
ANIMAL ID		0	0	0	0	0	0	0	0	0	0	
		0	0	0	0	0	0	0	0	0	0	
		0	0	0	0	0	0	0	0	0	0	
		8	8	8	8	8	8	8	8	8	9	
		1	2	3	4	5	6	7	8	9	0	
												*TOTALS

Integumentary System

NONE

Musculoskeletal System

NONE

Nervous System

NONE

Respiratory System

Lung	+	+	+	+	+	+	+	+	+	+	10	
Bronchiole, Epithelium, Regeneration				2							1	2.0
Peribronchiolr, Inflammation, Chronic Active				2							1	2.0
Nose	+	+	+	+	+	+	+	+	+	+	10	
Trachea	+	+	+	+	+	+	+	+	+	+	10	

Special Senses System

NONE

Urinary System

Kidney	+	+	+	+	+	+	+	+	+	+	10	
--------	---	---	---	---	---	---	---	---	---	---	----	--

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

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Experiment Number: 20107-02
 Test Type: 90-DAY
 Route: GAVAGE
 Species/Strain: Mouse/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Test Compound: N,N-Dimethyl-p-toluidine
 CAS Number: 99-97-8

Date Report Requested: 10/21/2014
 Time Report Requested: 09:19:14
 First Dose M/F: NA / NA
 Lab: BAT

B6C3F1 Mouse Female 60 MG/KG	DAY ON TEST	ANIMAL ID	0	0	0	0	0	0	0	0	0	0	0	0	0	*TOTALS
			0	0	0	0	0	0	0	0	0	0	0	0	0	
			9	9	9	9	9	9	9	9	9	9	9	9	9	
			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	1	0	
			9	9	9	9	9	9	9	9	9	9	9	9	0	
			1	2	3	4	5	6	7	8	9	9	9	0	0	

Alimentary System

Liver	+	+	+	+	+	+	+	+	+	+	+	10		
Hepatocyte, Vacuolization Cytoplasmic	3	3	3	3	1	2	3	2			1	9	2.3	
Inflammation, Chronic Active	1	1	1	1	1	1	1	1	1	1	1	10	1.0	

Cardiovascular System

NONE

Endocrine System

NONE

General Body System

NONE

Genital System

NONE

Hematopoietic System

Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	10		
Lymph Node, Mandibular	+	+	+	+	+	+	+	+	+	+	+	10		
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	+	10		
Spleen	+	+	+	+	+	+	+	+	+	+	+	10		
Hematopoietic Cell Proliferation							2					1	2.0	
Thymus	+	+	+	+	+	+	+	+	+	+	+	10		

* ..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: 20107-02
 Test Type: 90-DAY
 Route: GAVAGE
 Species/Strain: Mouse/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Test Compound: N,N-Dimethyl-p-toluidine
 CAS Number: 99-97-8

Date Report Requested: 10/21/2014
 Time Report Requested: 09:19:14
 First Dose M/F: NA / NA
 Lab: BAT

B6C3F1 Mouse Female 60 MG/KG	DAY ON TEST	0	0	0	0	0	0	0	0	0	0	
		0	0	0	0	0	0	0	0	0	0	
		9	9	9	9	9	9	9	9	9	9	
		3	3	3	3	3	3	3	3	3	3	
	ANIMAL ID	0	0	0	0	0	0	0	0	0	0	
		0	0	0	0	0	0	0	0	0	0	
		0	0	0	0	0	0	0	0	0	1	
		9	9	9	9	9	9	9	9	9	0	
		1	2	3	4	5	6	7	8	9	0	*TOTALS

Integumentary System

NONE

Musculoskeletal System

NONE

Nervous System

NONE

Respiratory System

Lung	+	+	+	+	+	+	+	+	+	+	10	
Bronchiole, Epithelium, Regeneration		1									1	1.0
Peribronchiolr, Inflammation, Chronic Active		2									1	2.0
Nose	+	+	+	+	+	+	+	+	+	+	10	
Olfactory Epi, Degeneration		2				2	1			2	2	5 1.8
Trachea	+	+	+	+	+	+	+	+	+	+	10	

Special Senses System

NONE

Urinary System

Kidney	+	+	+	+	+	+	+	+	+	+	10	
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* ..Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ ..Tissue examined microscopically

X ..Lesion present

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1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

Species/Strain: Mouse/B6C3F1

CAS Number: 99-97-8

Lab: BAT

DAY ON TEST B6C3F1 Mouse Female 125 MG/KG	0	0	0	0	0	0	0	0	0	*TOTALS
	0	0	0	0	0	0	0	0	0	
	9	9	0	9	9	9	9	9	0	
	3	3	4	3	3	3	3	3	4	
	ANIMAL ID	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	
	0	0	0	0	0	0	0	0	1	
	1	2	3	4	5	6	7	8	9	

[illegible][illegible]

2) Mild 4) Marked

Experiment Number: 20107-02

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Mouse/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 10/21/2014

Time Report Requested: 09:19:15

First Dose M/F: NA / NA

Lab: BAT

	DAY ON TEST										
	0	0	0	0	0	0	0	0	0	0	
B6C3F1 Mouse Female 125 MG/KG	0	0	0	0	0	0	0	0	0	0	
	9	9	0	9	9	9	9	9	9	0	
ANIMAL ID	3	3	4	3	3	3	3	3	3	4	
	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	
	0	0	0	0	0	0	0	0	0	1	
	1	2	3	4	5	6	7	8	9	0	*TOTALS
Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	10
Subcapsular, Hyperplasia	2	2		1	2	2	2	1	2		8 1.8
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	10
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	10
Parathyroid Gland	+	M	+	+	+	+	M	+	+	M	7
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	10
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	10
General Body System											
NONE											
Genital System											
Clitoral Gland	+	+	+	+	+	+	+	+	+	+	10
Ovary	+	+	+	+	+	+	+	+	+	+	10
Uterus	+	+	+	+	+	+	+	+	+	+	10
Hematopoietic System											
Bone Marrow	+	+	+	+	+	+	+	+	+	+	10
Lymph Node, Mandibular	+	+	+	+	+	+	+	+	+	+	10
Necrosis, Lymphoid	1		2							2	3 1.7
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	10
Necrosis, Lymphoid			2							2	2 2.0
Spleen	+	+	+	+	+	+	+	+	+	+	10
Atrophy			3							3	2 3.0

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Experiment Number: 20107-02

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Mouse/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 10/21/2014

Time Report Requested: 09:19:15

First Dose M/F: NA / NA

Lab: BAT

B6C3F1 Mouse Female 125 MG/KG		DAY ON TEST										ANIMAL ID		
		0	0	0	0	0	0	0	0	0	0			
		0	0	0	0	0	0	0	0	0	0			
		9	9	0	9	9	9	9	9	9	0			
		3	3	4	3	3	3	3	3	3	4			
		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		
		0	0	0	0	0	0	0	0	0	1	1		
		1	2	3	4	5	6	7	8	9	0	0		
												*TOTALS		
Hematopoietic Cell Proliferation												2	1	2.0
Lymph Follic, Necrosis												2	2	2.0
Thymus		+	+	+	+	+	+	+	+	+	+	10		
Atrophy												3	2	3.0
Thymocyte, Necrosis		2	2	2	2	2	2	2	2	2	2	10	2.0	
Integumentary System														
Mammary Gland		+	+	+	+	+	+	+	+	+	+	10		
Skin		+	+	+	+	+	+	+	+	+	+	10		
Musculoskeletal System														
Bone		+	+	+	+	+	+	+	+	+	+	10		
Nervous System														
Brain		+	+	+	+	+	+	+	+	+	+	10		
Respiratory System														
Lung		+	+	+	+	+	+	+	+	+	+	10		
Alveolus, Infiltration Cellular, Histiocyte		3			2	2	1	2	2	2		7	2.0	
Bronchiole, Epithelium, Degeneration		3		4	2	1	1				4	6	2.5	
Bronchiole, Epithelium, Regeneration		4	3		3	3		3	3	3		7	3.1	
Peribronchiolr, Inflammation, Chronic Active		3	1	3	2	2	3	2	2	2	3	10	2.3	
Nose		+	+	+	+	+	+	+	+	+	+	10		
Glands, Hyperplasia			2		2	2	2	3	2	2		7	2.1	
Inflammation, Chronic Active				2								1	2.0	

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+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

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1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

Experiment Number: 20107-02
 Test Type: 90-DAY
 Route: GAVAGE
 Species/Strain: Mouse/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Test Compound: N,N-Dimethyl-p-toluidine
 CAS Number: 99-97-8

Date Report Requested: 10/21/2014
 Time Report Requested: 09:19:15
 First Dose M/F: NA / NA
 Lab: BAT

B6C3F1 Mouse Female 125 MG/KG		DAY ON TEST											
		0	0	0	0	0	0	0	0	0	0		
		0	0	0	0	0	0	0	0	0	0		
		9	9	0	9	9	9	9	9	9	0		
		3	3	4	3	3	3	3	3	3	4		
ANIMAL ID		0	0	0	0	0	0	0	0	0	0	*TOTALS	
		0	0	0	0	0	0	0	0	0	0		
		1	1	1	1	1	1	1	1	1	1		
		0	0	0	0	0	0	0	0	0	1		
		1	2	3	4	5	6	7	8	9	0		
Olfactory Epi, Degeneration		3		2		2	3	2	2	3	3	8	2.5
Olfactory Epi, Metaplasia		2					3	2	3			4	2.5
Trachea		+	+	+	+	+	+	+	+	+	+	10	
Epithelium, Necrosis				4						4		2	4.0
Special Senses System													
Eye		+	+	+	+	+	+	+	+	+	+	10	
Harderian Gland		+	+	+	+	+	+	+	+	+	+	10	
Urinary System													
Kidney		+	+	+	+	+	+	+	+	+	+	10	
Urinary Bladder		+	+	+	+	+	+	+	+	+	+	10	

* ..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: 20107-02

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Mouse/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 10/21/2014

Time Report Requested: 09:19:15

First Dose M/F: NA / NA

Lab: BAT

B6C3F1 Mouse Female 250 MG/KG	DAY ON TEST										ANIMAL ID		
	0	0	0	0	0	0	0	0	0	0			
	0	0	0	0	0	0	0	0	0	0			
	0	0	0	0	0	0	0	0	0	0			
	3	5	2	3	4	4	2	4	5	3			
	0	0	0	0	0	0	0	0	0	0		*TOTALS	
	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	2			
	1	2	3	4	5	6	7	8	9	0			
Necrosis, Lymphoid			2				2					2	2.0
Lymph Node, Mesenteric	+	+	+	+	M	+	+	+	+	+		9	
Atrophy		2		2		3		4	3			5	2.8
Necrosis, Lymphoid	2		2				2			3		4	2.3
Spleen	+	+	+	+	+	+	+	+	+	+		10	
Atrophy	3	2		3	3	2		3	2			7	2.6
Lymph Follic, Necrosis	2		2		1		2	2		3		6	2.0
Thymus	+	+	+	+	+	+	+	+	+	+		10	
Atrophy		3		3	3	3		3	3			6	3.0
Thymocyte, Necrosis	4	2	4	3		1	4	3		4		8	3.1
Integumentary System													
Mammary Gland	+	+	+	+	+	+	+	+	+	+		10	
Skin	+	+	+	+	+	+	+	+	+	+		10	
Musculoskeletal System													
Bone	+	+	+	+	+	+	+	+	+	+		10	
Skeletal Muscle								+				1	
Inflammation, Chronic Active								1				1	1.0
Nervous System													
Brain	+	+	+	+	+	+	+	+	+	+		10	
Respiratory System													
Lung	+	+	+	+	+	+	+	+	+	+		10	

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

+ ..Tissue examined microscopically

X ..Lesion present

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1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

Experiment Number: 20107-02

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Mouse/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 10/21/2014

Time Report Requested: 09:19:15

First Dose M/F: NA / NA

Lab: BAT

B6C3F1 Mouse Female 250 MG/KG	DAY ON TEST										ANIMAL ID
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	3	5	2	3	4	4	2	4	5	3	
	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	2	
	1	2	3	4	5	6	7	8	9	0	
											*TOTALS
Bronchiole, Epithelium, Degeneration	3	3	2	2	3	2		3	2	3	9 2.6
Bronchus, Epithelium, Degeneration			2								1 2.0
Peribronchiolr, Inflammation, Chronic Active	2	2	2	2	2	2	2	2	2	2	10 2.0
Nose	+	+	+	+	+	+	+	+	+	+	10
Inflammation, Chronic Active	2	2		2	2	2		2	2	2	8 2.0
Trachea	+	+	+	+	+	+	+	+	+	+	10
Epithelium, Necrosis	4	4	4	4	4	4	4	4	4	4	10 4.0
Special Senses System											
Eye	+	+	+	+	+	+	+	+	+	+	10
Cornea, Inflammation, Chronic Active					2	2					2 2.0
Harderian Gland	+	+	+	+	+	+	+	+	+	+	10
Urinary System											
Kidney	+	+	+	+	+	+	+	+	+	+	10
Urinary Bladder	+	M	+	+	+	+	+	+	+	+	9

** END OF REPORT **

* ..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