

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

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

N,N-Dimethyl-p-toluidine

**CAS Number:** 99-97-8

**Date Report Requested:** 09/07/2016

**Time Report Requested:** 14:11:20

**First Dose M/F:** 10/23/03 / 10/22/03

**Lab:** BAT

**NTP Study Number:** C20107  
**Lock Date:** 07/14/2004  
**Cage Range:** ALL  
**Date Range:** ALL  
**Reasons For Removal:** ALL  
**Removal Date Range:** ALL  
**Treatment Groups:** Include ALL  
**Study Gender:** Both  
**TDMSE Version:** 3.0.2.3\_002  
**PWG Approval Date:** NONE

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First Dose M/F: 10/23/03 / 10/22/03

Lab: BAT

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

ALIMENTARY SYSTEM

Esophagus	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Gallbladder	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Liver	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Inflammation, Chronic Active	1	1	1	1		1	1	1	1	1	<b>9 1.0</b>
Hepatocyte, Vacuolization Cytoplasmic	2	2	2		2	2	2	2	2	2	<b>9 2.0</b>
Pancreas	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Salivary Glands	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Inflammation, Chronic Active							1				<b>1 1.0</b>

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

+ .. Tissue examined microscopically

X .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

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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First Dose M/F: 10/23/03 / 10/22/03

Lab: BAT

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

Tooth Malformation	+											1
	2											1 2.0

**CARDIOVASCULAR SYSTEM**

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

**ENDOCRINE SYSTEM**

Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	10
Subcapsular, Hyperplasia	1	1									2 1.0
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	10
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	10
Parathyroid Gland	+	+	+	+	+	+	+	+	+	+	10
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	10
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	10

**GENERAL BODY SYSTEM**

NONE

**GENITAL SYSTEM**

Epididymis	+	+	+	+	+	+	+	+	+	+	10
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Lab: BAT

B6C3F1 MICE MALE 0 MG/KG	DAY ON TEST	0	0	0	0	0	0	0	0	0	
	ANIMAL ID	0	0	0	0	0	0	0	0	0	
		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	1	
		1	2	3	4	5	6	7	8	9	0
<b>* TOTALS</b>											
Preputial Gland		+	+	+	+	+	+	+	+	+	<b>10</b>
Prostate		+	+	+	+	+	+	+	+	+	<b>10</b>
Seminal Vesicle		+	+	+	+	+	+	+	+	+	<b>10</b>
Testes		+	+	+	+	+	+	+	+	+	<b>10</b>
<b>HEMATOPOIETIC SYSTEM</b>											
Bone Marrow		+	+	+	+	+	+	+	+	+	<b>10</b>
Lymph Node, Mandibular		+	+	+	+	+	+	+	+	+	<b>10</b>
Lymph Node, Mesenteric		+	+	+	+	+	+	+	+	+	<b>10</b>
Spleen		+	+	+	+	+	+	+	+	+	<b>10</b>
Thymus		+	+	+	+	+	+	+	+	+	<b>10</b>
<b>INTEGUMENTARY SYSTEM</b>											
Mammary Gland		M	M	M	M	M	M	M	M	M	<b>0</b>
Skin		+	+	+	+	+	+	+	+	+	<b>10</b>
<b>MUSCULOSKELETAL SYSTEM</b>											
Bone		+	+	+	+	+	+	+	+	+	<b>10</b>
<b>NERVOUS SYSTEM</b>											

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First Dose M/F: 10/23/03 / 10/22/03

Lab: BAT

B6C3F1 MICE MALE 0 MG/KG	DAY ON TEST	0	0	0	0	0	0	0	0	0	
	ANIMAL ID	0	0	0	0	0	0	0	0	0	
		9	9	9	9	9	9	9	9	9	
		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	1	
		1	2	3	4	5	6	7	8	9	0
		<b>* TOTALS</b>									
Brain		+	+	+	+	+	+	+	+	+	<b>10</b>
<b>RESPIRATORY SYSTEM</b>											
Lung		+	+	+	+	+	+	+	+	+	<b>10</b>
Nose		+	+	+	+	+	+	+	+	+	<b>10</b>
Trachea		+	+	+	+	+	+	+	+	+	<b>10</b>
<b>SPECIAL SENSES SYSTEM</b>											
Eye		+	+	+	+	+	+	+	+	+	<b>10</b>
Harderian Gland		+	+	+	+	+	+	+	+	+	<b>10</b>
<b>URINARY SYSTEM</b>											
Kidney		+	+	+	+	+	+	+	+	+	<b>10</b>
Inflammation, Chronic Active					1						<b>1 1.0</b>
Mineralization							1				<b>1 1.0</b>
Nephropathy										1	<b>1 1.0</b>
Urinary Bladder		+	+	+	+	+	+	+	+	+	<b>10</b>

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Lab: BAT

<b>B6C3F1 MICE MALE</b>	DAY ON TEST	0	0	0	0	0	0	0	0	0	
		0	0	0	0	0	0	0	0	0	
		9	9	9	9	9	9	9	9	9	
		3	3	3	3	3	3	3	3	3	
<b>15 MG/KG</b>	ANIMAL ID	0	0	0	0	0	0	0	0	0	
		0	0	0	0	0	0	0	0	0	
		0	0	0	0	0	0	0	0	0	
		1	1	1	1	1	1	1	1	1	2
		1	2	3	4	5	6	7	8	9	0
<b>* TOTALS</b>											

**ALIMENTARY SYSTEM**

Liver	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Inflammation, Chronic Active	1	1	1	1	1	2	1	1	1	1	<b>10 1.1</b>
Hepatocyte, Vacuolization Cytoplasmic	3	3	3	3	3	3	3	3	3	3	<b>10 3.0</b>

**CARDIOVASCULAR SYSTEM**

NONE

**ENDOCRINE SYSTEM**

NONE

**GENERAL BODY SYSTEM**

NONE

**GENITAL SYSTEM**

NONE

**HEMATOPOIETIC SYSTEM**

Bone Marrow	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Lymph Node, Mandibular	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Spleen	+	+	+	+	+	+	+	+	+	+	<b>10</b>

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First Dose M/F: 10/23/03 / 10/22/03

Lab: BAT

B6C3F1 MICE MALE 15 MG/KG	DAY ON TEST	0	0	0	0	0	0	0	0	0	0	* TOTALS
	ANIMAL ID	0	0	0	0	0	0	0	0	0	0	
		0	0	0	0	0	0	0	0	0	0	
		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	
		1	1	1	1	1	1	1	1	1	2	
		1	2	3	4	5	6	7	8	9	0	
Thymus		+	+	+	+	+	+	+	+	+	+	10
<b>INTEGUMENTARY SYSTEM</b>												
NONE												
<b>MUSCULOSKELETAL SYSTEM</b>												
NONE												
<b>NERVOUS SYSTEM</b>												
NONE												
<b>RESPIRATORY SYSTEM</b>												
Lung		+	+	+	+	+	+	+	+	+	+	10
Nose		+	+	+	+	+	+	+	+	+	+	10
Trachea		+	+	+	+	+	+	+	+	+	+	10
<b>SPECIAL SENSES SYSTEM</b>												
NONE												
<b>URINARY SYSTEM</b>												
Kidney		+	+	+	+	+	+	+	+	+	+	10

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Lab: BAT

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

**ALIMENTARY SYSTEM**

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

**CARDIOVASCULAR SYSTEM**

NONE

**ENDOCRINE SYSTEM**

NONE

**GENERAL BODY SYSTEM**

NONE

**GENITAL SYSTEM**

NONE

**HEMATOPOIETIC SYSTEM**

Bone Marrow	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Lymph Node, Mandibular	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	<b>10</b>

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

Spleen	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Thymus	+	+	+	+	+	+	+	+	+	+	<b>10</b>

**INTEGUMENTARY SYSTEM**

NONE

**MUSCULOSKELETAL SYSTEM**

NONE

**NERVOUS SYSTEM**

NONE

**RESPIRATORY SYSTEM**

Lung	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Nose	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Trachea	+	+	+	+	+	+	+	+	+	+	<b>10</b>

**SPECIAL SENSES SYSTEM**

NONE

**URINARY SYSTEM**

Kidney	+	+	+	+	+	+	+	+	+	+	<b>10</b>
--------	---	---	---	---	---	---	---	---	---	---	-----------

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<b>B6C3F1 MICE MALE</b>	DAY ON TEST	0	0	0	0	0	0	0	0	0	
		0	0	0	0	0	0	0	0	0	
<b>60 MG/KG</b>		9	9	9	9	9	9	9	9	9	
		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	
		3	3	3	3	3	3	3	3	4	
		1	2	3	4	5	6	7	8	9	0
<b>* TOTALS</b>											

**ALIMENTARY SYSTEM**

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

**CARDIOVASCULAR SYSTEM**

NONE

**ENDOCRINE SYSTEM**

NONE

**GENERAL BODY SYSTEM**

NONE

**GENITAL SYSTEM**

NONE

**HEMATOPOIETIC SYSTEM**

Bone Marrow	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Lymph Node, Mandibular	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	<b>10</b>

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<b>B6C3F1 MICE MALE</b>	DAY ON TEST	0	0	0	0	0	0	0	0	0	
		0	0	0	0	0	0	0	0	0	
<b>60 MG/KG</b>		9	9	9	9	9	9	9	9	9	
		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	
		3	3	3	3	3	3	3	3	4	
		1	2	3	4	5	6	7	8	9	0
<b>* TOTALS</b>											

Spleen	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Thymus	+	+	+	+	+	+	+	+	+	+	<b>10</b>

**INTEGUMENTARY SYSTEM**

NONE

**MUSCULOSKELETAL SYSTEM**

NONE

**NERVOUS SYSTEM**

NONE

**RESPIRATORY SYSTEM**

Lung	+	+	+	+	+	+	+	+	+	+	<b>10</b>	
Bronchiole, Epithelium, Degeneration						2						<b>1 2.0</b>
Bronchiole, Epithelium, Regeneration						2						<b>1 2.0</b>
Nose	+	+	+	+	+	+	+	+	+	+	<b>10</b>	
Trachea	+	+	+	+	+	+	+	+	+	+	<b>10</b>	

**SPECIAL SENSES SYSTEM**

NONE

**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: 20107 - 02

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 09/07/2016

Time Report Requested: 14:11:20

First Dose M/F: 10/23/03 / 10/22/03

Lab: BAT

<b>B6C3F1 MICE MALE</b>	DAY ON TEST	0	0	0	0	0	0	0	0	0	
		0	0	0	0	0	0	0	0	0	
<b>60 MG/KG</b>		9	9	9	9	9	9	9	9	9	
		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	
		3	3	3	3	3	3	3	3	4	
		1	2	3	4	5	6	7	8	9	0
<b>* TOTALS</b>											

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

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Experiment Number: 20107 - 02

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: MICE/B6C3F1

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

N,N-Dimethyl-p-toluidine

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First Dose M/F: 10/23/03 / 10/22/03

Lab: BAT

<b>B6C3F1 MICE MALE</b>	DAY ON TEST	0	0	0	0	0	0	0	0	0	0	
		0	0	0	0	0	0	0	0	0	0	
		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	
			ANIMAL ID									
<b>* TOTALS</b>												

**ALIMENTARY SYSTEM**

Esophagus	+	+	+	+	+	+	+	+	+	+	10	
Epithelium, Degeneration			2									1 2.0
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	
Inflammation, Chronic Active	1	1		2		1	1	1		2		7 1.3
Hepatocyte, Vacuolization Cytoplasmic	2	3		3		3	3	2		2		7 2.6
Mesentery			+								1	
Artery, Fat, Thrombosis			4									1 4.0
Fat, Inflammation, Chronic Active			2									1 2.0
Fat, Necrosis			4									1 4.0
Pancreas	+	+	+	+	+	+	+	+	+	+	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: MICE/B6C3F1

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

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 09/07/2016

Time Report Requested: 14:11:20

First Dose M/F: 10/23/03 / 10/22/03

Lab: BAT

B6C3F1 MICE MALE 125 MG/KG	DAY ON TEST	0	0	0	0	0	0	0	0	0	
	ANIMAL ID	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	
		4	4	4	4	4	4	4	4	5	
		1	2	3	4	5	6	7	8	9	0
<b>* TOTALS</b>											
Salivary Glands		+	+	+	+	+	+	+	+	+	10
Stomach, Forestomach		+	+	+	+	+	+	+	+	+	10
Stomach, Glandular		+	+	+	+	+	+	+	+	+	10
<b>CARDIOVASCULAR SYSTEM</b>											
Blood Vessel		+	+	+	+	+	+	+	+	+	10
Heart		+	+	+	+	+	+	+	+	+	10
Mineralization				1							1 1.0
<b>ENDOCRINE SYSTEM</b>											
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	+	+	7
Pituitary Gland		+	+	+	+	+	+	+	+	+	10
Thyroid Gland		+	+	+	+	+	+	+	+	+	10
<b>GENERAL BODY SYSTEM</b>											

\* .. 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: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 09/07/2016

Time Report Requested: 14:11:20

First Dose M/F: 10/23/03 / 10/22/03

Lab: BAT

<b>B6C3F1 MICE MALE</b> <b>125 MG/KG</b>	DAY ON TEST	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	0	9	
		3	3	7	3	8	3	3	9	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	
		4	4	4	4	4	4	4	4	5	
		1	2	3	4	5	6	7	8	9	
											<b>* TOTALS</b>

NONE

**GENITAL SYSTEM**

Coagulating Gland Inflammation, Chronic Active											1	1	2.0
Epididymis Inflammation, Chronic Active Necrosis	+	+	+	+	+	+	+	+	+	+	10	1	3.0
												1	3.0
Preputial Gland Inflammation, Chronic Active Necrosis	+	+	+	+	+	+	+	+	+	+	10	1	2.0
												1	4.0
Prostate Inflammation, Chronic Active Necrosis	+	+	+	+	+	+	+	+	+	+	10	1	2.0
												1	4.0
Seminal Vesicle Inflammation, Chronic Active	+	+	+	+	+	+	+	+	+	+	10	1	2.0
Testes Germinal Epithelium, Degeneration	+	+	+	+	+	+	+	+	+	+	10	1	2.0

**HEMATOPOIETIC SYSTEM**

Bone Marrow	+	+	+	+	+	+	+	+	+	+	10
Lymph Node, Mandibular	+	+	+	+	+	+	+	+	+	+	10

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+ .. Tissue examined microscopically

X .. Lesion present

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Test Type: 90-DAY

Route: GAVAGE

Species/Strain: MICE/B6C3F1

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

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 09/07/2016

Time Report Requested: 14:11:20

First Dose M/F: 10/23/03 / 10/22/03

Lab: BAT

B6C3F1 MICE MALE 125 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	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			
													<b>* TOTALS</b>	

Atrophy						2				2					<b>2 2.0</b>
Lymph Node, Mesenteric Atrophy	+	+	+	+	+	+	+	+	+	+	+				<b>10</b>
						4					2				<b>2 3.0</b>
Spleen Atrophy	+	+	+	+	+	+	+	+	+	+	+				<b>10</b>
						3		3			4				<b>3 3.3</b>
Hematopoietic Cell Proliferation						2									<b>1 2.0</b>
Thymus Atrophy	+	+	+	+	+	+	+	+	+	+	+				<b>10</b>
						3		4			3				<b>3 3.3</b>
Thymocyte, Necrosis	2	2	2	2		2	2	2	2		2				<b>8 2.0</b>

**INTEGUMENTARY SYSTEM**

Mammary Gland	M	M	M	M	M	M	M	M	M	M	M				<b>0</b>
Skin	+	+	+	+	+	+	+	+	+	+	+				<b>10</b>
Subcutaneous Tissue, Inflammation, Chronic Active						2									<b>1 2.0</b>
Subcutaneous Tissue, Necrosis						4									<b>1 4.0</b>

**MUSCULOSKELETAL SYSTEM**

Bone	+	+	+	+	+	+	+	+	+	+	+				<b>10</b>
------	---	---	---	---	---	---	---	---	---	---	---	--	--	--	-----------

**NERVOUS SYSTEM**

Brain	+	+	+	+	+	+	+	+	+	+	+				<b>10</b>
-------	---	---	---	---	---	---	---	---	---	---	---	--	--	--	-----------

**RESPIRATORY 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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2) Mild 4) Marked



Experiment Number: 20107 - 02

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 09/07/2016

Time Report Requested: 14:11:20

First Dose M/F: 10/23/03 / 10/22/03

Lab: BAT

<b>B6C3F1 MICE MALE</b>	DAY ON TEST	0	0	0	0	0	0	0	0	0	
		0	0	0	0	0	0	0	0	0	
<b>125 MG/KG</b>	ANIMAL ID	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	
		4	4	4	4	4	4	4	4	5	
		1	2	3	4	5	6	7	8	9	0
<b>* TOTALS</b>											

Lung	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Alveolus, Infiltration Cellular, Histiocyte							2			2	<b>2 2.0</b>
Bronchiole, Epithelium, Degeneration	3	3	3	3	4	3	3	1	4	1	<b>10 2.8</b>
Bronchiole, Epithelium, Regeneration	3	3	3	3	2	3	3	1		3	<b>9 2.7</b>
Bronchus, Epithelium, Regeneration									3		<b>1 3.0</b>
Peribronchiolar, Inflammation, Chronic Active	3	2	2	2	3	1	1		4	2	<b>9 2.2</b>
Nose	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Inflammation, Chronic Active									1		<b>1 1.0</b>
Glands, Hyperplasia	2	2		2		2	2	2		2	<b>7 2.0</b>
Olfactory Epithelium, Degeneration	3	3	4	3	3	3	2	3		2	<b>9 2.9</b>
Olfactory Epithelium, Metaplasia	2	2		2		3		2		3	<b>6 2.3</b>
Respiratory Epithelium, Degeneration			2								<b>1 2.0</b>
Trachea	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Epithelium, Degeneration		1		1							<b>2 1.0</b>
Epithelium, Hyperplasia									4		<b>1 4.0</b>
Epithelium, Necrosis			4		4						<b>2 4.0</b>

**SPECIAL SENSES SYSTEM**

Eye	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Harderian Gland	+	+	+	+	+	+	+	+	+	+	<b>10</b>

**URINARY SYSTEM**

Kidney	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Mineralization			1								<b>1 1.0</b>
Nephropathy					1		1				<b>2 1.0</b>

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+ .. Tissue examined microscopically

X .. Lesion present

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Experiment Number: 20107 - 02

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

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Time Report Requested: 14:11:20

First Dose M/F: 10/23/03 / 10/22/03

Lab: BAT

<b>B6C3F1 MICE MALE</b> <b>125 MG/KG</b>	DAY ON TEST	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
	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	
		4	4	4	4	4	4	4	4	4	5
		1	2	3	4	5	6	7	8	9	0
		<b>* TOTALS</b>									
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	<b>10</b>

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P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 09/07/2016

Time Report Requested: 14:11:20

First Dose M/F: 10/23/03 / 10/22/03

Lab: BAT

<b>B6C3F1 MICE MALE</b> <b>250 MG/KG</b>	DAY ON TEST	0	0	0	0	0	0	0	0	0	
		0	0	0	0	0	0	0	0	0	
		0	0	0	0	0	0	0	9	0	
		3	3	9	3	3	3	5	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	
		5	5	5	5	5	5	5	5	6	
		1	2	3	4	5	6	7	8	9	
											<b>* TOTALS</b>

**ALIMENTARY SYSTEM**

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

\* .. 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:

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Experiment Number: 20107 - 02

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 09/07/2016

Time Report Requested: 14:11:20

First Dose M/F: 10/23/03 / 10/22/03

Lab: BAT

<b>B6C3F1 MICE MALE</b> <b>250 MG/KG</b>	DAY ON TEST	0	0	0	0	0	0	0	0	0	
		0	0	0	0	0	0	0	0	0	
		0	0	0	0	0	0	0	9	0	
		3	3	9	3	3	3	5	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	
		5	5	5	5	5	5	5	5	6	
		1	2	3	4	5	6	7	8	9	
										0	

\* TOTALS

Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	10
--------------------	---	---	---	---	---	---	---	---	---	---	----

**CARDIOVASCULAR SYSTEM**

Blood Vessel	+	+	+	+	+	+	+	+	+	+	10
Heart	+	+	+	+	+	+	+	+	+	+	10
Mineralization			1							1	2 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
------------	---	---	---	---	---	---	---	---	---	---	----

\* .. 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: MICE/B6C3F1

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

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 09/07/2016

Time Report Requested: 14:11:20

First Dose M/F: 10/23/03 / 10/22/03

Lab: BAT

B6C3F1 MICE MALE 250 MG/KG	DAY ON TEST	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	ANIMAL ID	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	3	3	5	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
		5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	6
		1	2	3	4	5	6	7	8	9	0									
<b>* TOTALS</b>																				
Preputial Gland		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	10
Prostate		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	10
Seminal Vesicle		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	10
Testes		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	10
<b>HEMATOPOIETIC SYSTEM</b>																				
Bone Marrow		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	10
Lymph Node		+																		2
Bronchial, Atrophy																				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										8 3.0
Lymphoid Follicle, Necrosis		2	2		2	2	2			3										6 2.2
Thymus		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	10
Atrophy				4					3											3 3.3

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Experiment Number: 20107 - 02

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 09/07/2016

Time Report Requested: 14:11:20

First Dose M/F: 10/23/03 / 10/22/03

Lab: BAT

B6C3F1 MICE MALE 250 MG/KG	DAY ON TEST										* TOTALS
	0 0 0 3	0 0 0 3	0 0 0 9	0 0 0 3	0 0 0 3	0 0 0 3	0 0 0 5	0 0 0 3	0 0 0 3	0 0 9 5	
	ANIMAL ID										
	0 0 0 5 1	0 0 0 5 2	0 0 0 5 3	0 0 0 5 4	0 0 0 5 5	0 0 0 5 6	0 0 0 5 7	0 0 0 5 8	0 0 0 5 9	0 0 0 6 0	
Thymocyte, Necrosis	4	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
-------	---	---	---	---	---	---	---	---	---	---	----

RESPIRATORY SYSTEM

Lung	+	+	+	+	+	+	+	+	+	+	10
Bronchiole, Epithelium, Degeneration		3	4	2	2		2	3	4	4	8 3.0
Bronchiole, Epithelium, Regeneration			4						4	2	3 3.3
Peribronchiolar, Inflammation, Chronic Active		1	2			1	2	2		2	6 1.7
Nose	+	+	+	+	+	+	+	+	+	+	10
Foreign Body									X		1
Inflammation, Chronic Active	2	2	3	2	2	2		2		3	8 2.3
Glands, Hyperplasia										2	1 2.0
Olfactory Epithelium, Degeneration			2							2	2 2.0
Olfactory Epithelium, Metaplasia										4	1 4.0
Olfactory Epithelium, Necrosis						4					1 4.0
Respiratory Epithelium, Degeneration	2										1 2.0

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+ .. Tissue examined microscopically

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Time Report Requested: 14:11:20

First Dose M/F: 10/23/03 / 10/22/03

Lab: BAT

B6C3F1 MICE 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	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	0	0	0	0				
	5	5	5	5	5	5	5	5	5	6	6				
	1	2	3	4	5	6	7	8	9	0	0				
															<b>* TOTALS</b>
Respiratory Epithelium, Necrosis												4			<b>1 4.0</b>
Trachea	+	+	+	+	+	+	+	+	+	+					<b>10</b>
Inflammation, Chronic												2			<b>1 2.0</b>
Epithelium, Necrosis	4	4		4	4	4	4	4		4					<b>8 4.0</b>
<b>SPECIAL SENSES SYSTEM</b>															
Eye	+	+	+	+	+	+	+	+	+	+					<b>10</b>
Harderian Gland	+	+	+	+	+	+	+	+	+	+					<b>10</b>
<b>URINARY SYSTEM</b>															
Kidney	+	+	+	+	+	+	+	+	+	+					<b>10</b>
Inflammation, Chronic Active												2			<b>1 2.0</b>
Mineralization												1			<b>1 1.0</b>
Urinary Bladder	+	+	+	+	+	+	+	+	+	+					<b>10</b>

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

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N,N-Dimethyl-p-toluidine

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Date Report Requested: 09/07/2016

Time Report Requested: 14:11:20

First Dose M/F: 10/23/03 / 10/22/03

Lab: BAT

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

**ALIMENTARY SYSTEM**

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

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Experiment Number: 20107 - 02

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 09/07/2016

Time Report Requested: 14:11:20

First Dose M/F: 10/23/03 / 10/22/03

Lab: BAT

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

\* TOTALS

**CARDIOVASCULAR SYSTEM**

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

**ENDOCRINE SYSTEM**

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

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First Dose M/F: 10/23/03 / 10/22/03

Lab: BAT

B6C3F1 MICE FEMALE 0 MG/KG	DAY ON TEST										ANIMAL ID			
	0 9 3	0 9 3	0 9 3	0 9 3	0 9 3	0 9 3	0 9 3	0 9 3	0 9 3	0 9 3				
	0	0	0	0	0	0	0	0	0	0	0 0 6 1			
	0	0	0	0	0	0	0	0	0	0	0 0 6 2			
	0	0	0	0	0	0	0	0	0	0	0 0 6 3			
	0	0	0	0	0	0	0	0	0	0	0 0 6 4			
	0	0	0	0	0	0	0	0	0	0	0 0 6 5			
	0	0	0	0	0	0	0	0	0	0	0 0 6 6			
	0	0	0	0	0	0	0	0	0	0	0 0 6 7			
	0	0	0	0	0	0	0	0	0	0	0 0 6 8			
	0	0	0	0	0	0	0	0	0	0	0 0 6 9			
	0	0	0	0	0	0	0	0	0	0	0 0 6 0			
												<b>* TOTALS</b>		
Cyst	X											1		
Uterus	+	+	+	+	+	+	+	+	+	+		10		
<b>HEMATOPOIETIC SYSTEM</b>														
Bone Marrow	+	+	+	+	+	+	+	+	+	+		10		
Lymph Node, Mandibular	+	+	+	+	+	+	+	+	+	+		10		
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+		10		
Spleen	+	+	+	+	+	+	+	+	+	+		10		
Thymus	+	+	+	+	+	+	+	+	+	+		10		
Inflammation, Chronic Active					1							1 1.0		
<b>INTEGUMENTARY SYSTEM</b>														
Mammary Gland	+	+	+	+	+	+	+	+	+	+		10		
Skin	+	+	+	+	+	+	+	+	+	+		10		
<b>MUSCULOSKELETAL SYSTEM</b>														
Bone	+	+	+	+	+	+	+	+	+	+		10		
<b>NERVOUS SYSTEM</b>														
Brain	+	+	+	+	+	+	+	+	+	+		10		

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Experiment Number: 20107 - 02

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 09/07/2016

Time Report Requested: 14:11:20

First Dose M/F: 10/23/03 / 10/22/03

Lab: BAT

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

**RESPIRATORY SYSTEM**

Lung	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Nose	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Glands, Dilatation						2	2				<b>2 2.0</b>
Trachea	+	+	+	+	+	+	+	+	+	+	<b>10</b>

**SPECIAL SENSES SYSTEM**

Eye	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Harderian Gland	+	+	+	+	+	M	+	+	+	+	<b>9</b>

**URINARY SYSTEM**

Kidney	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Inflammation, Chronic Active				1				1			<b>2 1.0</b>
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	<b>10</b>

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Time Report Requested: 14:11:20

First Dose M/F: 10/23/03 / 10/22/03

Lab: BAT

<b>B6C3F1 MICE FEMALE</b>	DAY ON TEST	0	0	0	0	0	0	0	0	0	
		0	0	0	0	0	0	0	0	0	
		9	9	9	9	9	9	9	9	9	
		3	3	3	3	3	3	3	3	3	
<b>15 MG/KG</b>	ANIMAL ID	0	0	0	0	0	0	0	0	0	
		0	0	0	0	0	0	0	0	0	
		0	0	0	0	0	0	0	0	0	
		7	7	7	7	7	7	7	7	7	8
		1	2	3	4	5	6	7	8	9	0
<b>* TOTALS</b>											

**ALIMENTARY SYSTEM**

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

**CARDIOVASCULAR SYSTEM**

NONE

**ENDOCRINE SYSTEM**

NONE

**GENERAL BODY SYSTEM**

NONE

**GENITAL SYSTEM**

NONE

**HEMATOPOIETIC SYSTEM**

Bone Marrow	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Lymph Node, Mandibular	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	<b>10</b>

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N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 09/07/2016

Time Report Requested: 14:11:20

First Dose M/F: 10/23/03 / 10/22/03

Lab: BAT

<b>B6C3F1 MICE FEMALE</b> <b>15 MG/KG</b>	DAY ON TEST	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	
		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	
		7	7	7	7	7	7	7	7	8	
		1	2	3	4	5	6	7	8	9	
											<b>* TOTALS</b>

Spleen	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Thymus	+	+	+	+	+	+	+	+	+	+	<b>10</b>

**INTEGUMENTARY SYSTEM**

NONE

**MUSCULOSKELETAL SYSTEM**

NONE

**NERVOUS SYSTEM**

NONE

**RESPIRATORY SYSTEM**

Lung	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Peribronchiolar, Inflammation, Chronic Active					2						<b>1 2.0</b>
Nose	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Trachea	+	+	+	+	+	+	+	+	+	+	<b>10</b>

**SPECIAL SENSES SYSTEM**

NONE

**URINARY SYSTEM**

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

1-4 .. Lesion qualified as:  
1) Minimal 3) Moderate  
2) Mild 4) Marked

Experiment Number: 20107 - 02

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 09/07/2016

Time Report Requested: 14:11:20

First Dose M/F: 10/23/03 / 10/22/03

Lab: BAT

B6C3F1 MICE 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
	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	
	7	7	7	7	7	7	7	7	7	8	
	1	2	3	4	5	6	7	8	9	0	
		<b>* TOTALS</b>									
Kidney		+	+	+	+	+	+	+	+	+	<b>10</b>

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

+ .. Tissue examined microscopically

X .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

Experiment Number: 20107 - 02

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 09/07/2016

Time Report Requested: 14:11:20

First Dose M/F: 10/23/03 / 10/22/03

Lab: BAT

<b>B6C3F1 MICE FEMALE</b>	DAY ON TEST	0	0	0	0	0	0	0	0	0	
		0	0	0	0	0	0	0	0	0	
		9	9	9	9	9	9	9	9	9	
		3	3	3	3	3	3	3	3	3	
<b>30 MG/KG</b>	ANIMAL ID	0	0	0	0	0	0	0	0	0	
		0	0	0	0	0	0	0	0	0	
		0	0	0	0	0	0	0	0	0	
		8	8	8	8	8	8	8	8	8	9
		1	2	3	4	5	6	7	8	9	0
<b>* TOTALS</b>											

**ALIMENTARY SYSTEM**

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

**CARDIOVASCULAR SYSTEM**

NONE

**ENDOCRINE SYSTEM**

NONE

**GENERAL BODY SYSTEM**

NONE

**GENITAL SYSTEM**

NONE

**HEMATOPOIETIC SYSTEM**

Bone Marrow	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Lymph Node, Mandibular	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Spleen	+	+	+	+	+	+	+	+	+	+	<b>10</b>

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

+ .. Tissue examined microscopically

X .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

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2) Mild 4) Marked

Experiment Number: 20107 - 02

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: MICE/B6C3F1

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

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 09/07/2016

Time Report Requested: 14:11:20

First Dose M/F: 10/23/03 / 10/22/03

Lab: BAT

<b>B6C3F1 MICE FEMALE</b>  <b>30 MG/KG</b>	DAY ON TEST	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	
		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	
		8	8	8	8	8	8	8	8	9	
		1	2	3	4	5	6	7	8	9	
											<b>* TOTALS</b>

Thymus	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Thymocyte, Necrosis	1										<b>1 1.0</b>

**INTEGUMENTARY SYSTEM**

NONE

**MUSCULOSKELETAL SYSTEM**

NONE

**NERVOUS SYSTEM**

NONE

**RESPIRATORY SYSTEM**

Lung	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Bronchiole, Epithelium, Regeneration				2							<b>1 2.0</b>
Peribronchiolar, Inflammation, Chronic Active				2							<b>1 2.0</b>
Nose	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Trachea	+	+	+	+	+	+	+	+	+	+	<b>10</b>

**SPECIAL SENSES SYSTEM**

NONE

**URINARY SYSTEM**

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

1-4 .. Lesion qualified as:  
1) Minimal 3) Moderate  
2) Mild 4) Marked



Experiment Number: 20107 - 02

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 09/07/2016

Time Report Requested: 14:11:20

First Dose M/F: 10/23/03 / 10/22/03

Lab: BAT

B6C3F1 MICE FEMALE	DAY ON TEST	0	0	0	0	0	0	0	0	0	
		0	0	0	0	0	0	0	0	0	0
30 MG/KG	ANIMAL ID	9	9	9	9	9	9	9	9	9	
		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	
		8	8	8	8	8	8	8	8	9	
		1	2	3	4	5	6	7	8	9	
		<b>* TOTALS</b>									
Kidney		+	+	+	+	+	+	+	+	+	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: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 09/07/2016

Time Report Requested: 14:11:20

First Dose M/F: 10/23/03 / 10/22/03

Lab: BAT

<b>B6C3F1 MICE FEMALE</b> <b>60 MG/KG</b>	DAY ON TEST	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	
		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	1	
		9	9	9	9	9	9	9	9	0	
		1	2	3	4	5	6	7	8	9	
											<b>* TOTALS</b>

**ALIMENTARY SYSTEM**

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

**CARDIOVASCULAR SYSTEM**

NONE

**ENDOCRINE SYSTEM**

NONE

**GENERAL BODY SYSTEM**

NONE

**GENITAL SYSTEM**

NONE

**HEMATOPOIETIC SYSTEM**

Bone Marrow	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Lymph Node, Mandibular	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Spleen	+	+	+	+	+	+	+	+	+	+	<b>10</b>

\* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade  
+ .. Tissue examined microscopically  
X .. Lesion present  
I .. Insufficient tissue  
M .. Missing tissue  
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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: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 09/07/2016

Time Report Requested: 14:11:20

First Dose M/F: 10/23/03 / 10/22/03

Lab: BAT

<b>B6C3F1 MICE FEMALE</b>	DAY ON TEST	0	0	0	0	0	0	0	0	0	
		0	0	0	0	0	0	0	0	0	
<b>60 MG/KG</b>		9	9	9	9	9	9	9	9	9	
		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	1	
		9	9	9	9	9	9	9	9	0	
		1	2	3	4	5	6	7	8	9	
<b>* TOTALS</b>											

Hematopoietic Cell Proliferation

2

1 2.0

Thymus

+ + + + + + + + + +

10

**INTEGUMENTARY SYSTEM**

NONE

**MUSCULOSKELETAL SYSTEM**

NONE

**NERVOUS SYSTEM**

NONE

**RESPIRATORY SYSTEM**

Lung + + + + + + + + + +

10

Bronchiole, Epithelium, Regeneration

1

1 1.0

Peribronchiolar, Inflammation, Chronic Active

2

1 2.0

Nose

+ + + + + + + + + +

10

Olfactory Epithelium, Degeneration

2 2 1 2 2

5 1.8

Trachea

+ + + + + + + + + +

10

**SPECIAL SENSES SYSTEM**

NONE

\* .. 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: MICE/B6C3F1

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

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 09/07/2016

Time Report Requested: 14:11:20

First Dose M/F: 10/23/03 / 10/22/03

Lab: BAT

<b>B6C3F1 MICE FEMALE</b>	DAY ON TEST	0	0	0	0	0	0	0	0	0	
		0	0	0	0	0	0	0	0	0	
		9	9	9	9	9	9	9	9	9	
		3	3	3	3	3	3	3	3	3	
<b>60 MG/KG</b>	ANIMAL ID	0	0	0	0	0	0	0	0	0	
		0	0	0	0	0	0	0	0	0	
		0	0	0	0	0	0	0	0	0	1
		9	9	9	9	9	9	9	9	9	0
		1	2	3	4	5	6	7	8	9	0
<b>* TOTALS</b>											

**URINARY SYSTEM**

Kidney	+	+	+	+	+	+	+	+	+	+	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: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 09/07/2016

Time Report Requested: 14:11:20

First Dose M/F: 10/23/03 / 10/22/03

Lab: BAT

<b>B6C3F1 MICE FEMALE</b> <b>125 MG/KG</b>	DAY ON TEST	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	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	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	
											<b>* TOTALS</b>

**ALIMENTARY SYSTEM**

Esophagus	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Gallbladder	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Liver	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Inflammation, Chronic Active	1	1			1	1	1	1	1		<b>7 1.0</b>
Hepatocyte, Necrosis				2							<b>1 2.0</b>
Hepatocyte, Vacuolization Cytoplasmic	2	1		2	4	3	3	3	3		<b>8 2.6</b>
Pancreas	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Salivary Glands	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	<b>10</b>

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

+ .. Tissue examined microscopically

X .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

Experiment Number: 20107 - 02

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: MICE/B6C3F1

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

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 09/07/2016

Time Report Requested: 14:11:20

First Dose M/F: 10/23/03 / 10/22/03

Lab: BAT

<b>B6C3F1 MICE FEMALE</b>	DAY ON TEST	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		9	9	0	9	9	9	9	9	9	9	9	0	0	0	0
<b>125 MG/KG</b>	ANIMAL ID	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
		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					
<b>* TOTALS</b>																

**CARDIOVASCULAR SYSTEM**

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

**ENDOCRINE SYSTEM**

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

\* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade  
 + .. Tissue examined microscopically  
 X .. Lesion present  
 I .. Insufficient tissue  
 M .. Missing tissue  
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 1) Minimal 3) Moderate  
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Experiment Number: 20107 - 02

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: MICE/B6C3F1

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

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 09/07/2016

Time Report Requested: 14:11:20

First Dose M/F: 10/23/03 / 10/22/03

Lab: BAT

B6C3F1 MICE FEMALE 125 MG/KG	DAY ON TEST										* TOTALS	
	0 9 3	0 9 3	0 0 4	0 9 3	0 9 3	0 9 3	0 9 3	0 9 3	0 9 3	0 9 4		
	ANIMAL ID											
	0 0 1 0 1	0 0 1 0 2	0 0 1 0 3	0 0 1 0 4	0 0 1 0 5	0 0 1 0 6	0 0 1 0 7	0 0 1 0 8	0 0 1 0 9	0 0 1 0 0		
Uterus	+	+	+	+	+	+	+	+	+	+	10	
<b>HEMATOPOIETIC SYSTEM</b>												
Bone Marrow	+	+	+	+	+	+	+	+	+	+	10	
Lymph Node, Mandibular Necrosis, Lymphoid	+	+	+	+	+	+	+	+	+	+	10	3 1.7
Lymph Node, Mesenteric Necrosis, Lymphoid	+	+	+	+	+	+	+	+	+	+	10	2 2.0
Spleen Atrophy	+	+	+	+	+	+	+	+	+	+	10	2 3.0
Hematopoietic Cell Proliferation								2		3		1 2.0
Lymphoid Follicle, Necrosis			2							2		2 2.0
Thymus Atrophy	+	+	+	+	+	+	+	+	+	+	10	2 3.0
Thymocyte, Necrosis	2	2	2	2	2	2	2	2	2	2		10 2.0
<b>INTEGUMENTARY SYSTEM</b>												
Mammary Gland	+	+	+	+	+	+	+	+	+	+	10	
Skin	+	+	+	+	+	+	+	+	+	+	10	
<b>MUSCULOSKELETAL SYSTEM</b>												
Bone	+	+	+	+	+	+	+	+	+	+	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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Experiment Number: 20107 - 02

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 09/07/2016

Time Report Requested: 14:11:20

First Dose M/F: 10/23/03 / 10/22/03

Lab: BAT

<b>B6C3F1 MICE FEMALE</b> <b>125 MG/KG</b>	DAY ON TEST	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	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	0	1
		1	2	3	4	5	6	7	8	9	0
		<b>* TOTALS</b>									

**NERVOUS SYSTEM**

Brain	+	+	+	+	+	+	+	+	+	+	<b>10</b>
-------	---	---	---	---	---	---	---	---	---	---	-----------

**RESPIRATORY SYSTEM**

Lung	+	+	+	+	+	+	+	+	+	+	<b>10</b>	
Alveolus, Infiltration Cellular, Histiocyte	3			2	2	1	2	2	2		<b>7</b>	<b>2.0</b>
Bronchiole, Epithelium, Degeneration	3		4	2	1	1				4	<b>6</b>	<b>2.5</b>
Bronchiole, Epithelium, Regeneration	4	3		3	3		3	3	3		<b>7</b>	<b>3.1</b>
Peribronchiolar, Inflammation, Chronic Active	3	1	3	2	2	3	2	2	2	3	<b>10</b>	<b>2.3</b>
Nose	+	+	+	+	+	+	+	+	+	+	<b>10</b>	
Inflammation, Chronic Active			2								<b>1</b>	<b>2.0</b>
Glands, Hyperplasia		2		2	2	2	3	2	2		<b>7</b>	<b>2.1</b>
Olfactory Epithelium, Degeneration		3		2	2	3	2	2	3	3	<b>8</b>	<b>2.5</b>
Olfactory Epithelium, Metaplasia		2				3	2	3			<b>4</b>	<b>2.5</b>
Trachea	+	+	+	+	+	+	+	+	+	+	<b>10</b>	
Epithelium, Necrosis			4							4	<b>2</b>	<b>4.0</b>

**SPECIAL SENSES SYSTEM**

Eye	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Harderian Gland	+	+	+	+	+	+	+	+	+	+	<b>10</b>

**URINARY SYSTEM**

Kidney	+	+	+	+	+	+	+	+	+	+	<b>10</b>
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\* .. 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: 20107 - 02

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 09/07/2016

Time Report Requested: 14:11:20

First Dose M/F: 10/23/03 / 10/22/03

Lab: BAT

B6C3F1 MICE FEMALE 125 MG/KG	DAY ON TEST	0	0	0	0	0	0	0	0	0	0	* TOTALS
	ANIMAL ID	0	0	0	0	0	0	0	0	0	0	
		0	0	0	0	0	0	0	0	0	0	
		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	
		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	
Urinary Bladder		+	+	+	+	+	+	+	+	+	+	10

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First Dose M/F: 10/23/03 / 10/22/03

Lab: BAT

<b>B6C3F1 MICE FEMALE</b>	DAY ON TEST	0	0	0	0	0	0	0	0	0	
		0	0	0	0	0	0	0	0	0	
		0	0	0	0	0	0	0	0	0	
		3	5	2	3	4	4	2	4	5	3
<b>250 MG/KG</b>	ANIMAL ID	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
<b>* TOTALS</b>											

**ALIMENTARY SYSTEM**

Esophagus	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Gallbladder	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Liver	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Inflammation, Chronic Active								1			<b>1 1.0</b>
Tension Lipidosis				3							<b>1 3.0</b>
Hepatocyte, Fatty Change	3	3	2	3	2	3		3	3	2	<b>9 2.7</b>
Hepatocyte, Necrosis				3	2			2	2		<b>4 2.3</b>
Pancreas	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Salivary Glands	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	<b>10</b>

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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: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 09/07/2016

Time Report Requested: 14:11:20

First Dose M/F: 10/23/03 / 10/22/03

Lab: BAT

<b>B6C3F1 MICE FEMALE</b>	DAY ON TEST	0	0	0	0	0	0	0	0	0	
		0	0	0	0	0	0	0	0	0	
		0	0	0	0	0	0	0	0	0	
		3	5	2	3	4	4	2	4	5	3
	<b>250 MG/KG</b>	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	
<b>* TOTALS</b>											

Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	<b>10</b>
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**CARDIOVASCULAR SYSTEM**

Blood Vessel	+	+	+	+	+	+	+	+	+	+	<b>10</b>
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Heart	+	+	+	+	+	+	+	+	+	+	<b>10</b>
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Mineralization				1			1				<b>2 1.0</b>
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**ENDOCRINE SYSTEM**

Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	<b>10</b>
----------------	---	---	---	---	---	---	---	---	---	---	-----------

Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	<b>10</b>
-----------------	---	---	---	---	---	---	---	---	---	---	-----------

Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	<b>10</b>
--------------------	---	---	---	---	---	---	---	---	---	---	-----------

Parathyroid Gland	M	M	M	+	+	+	+	M	+	+	<b>6</b>
-------------------	---	---	---	---	---	---	---	---	---	---	----------

Pituitary Gland	M	+	+	+	+	+	+	+	+	+	<b>9</b>
-----------------	---	---	---	---	---	---	---	---	---	---	----------

Thyroid Gland	+	+	+	+	+	+	+	+	+	+	<b>10</b>
---------------	---	---	---	---	---	---	---	---	---	---	-----------

**GENERAL BODY SYSTEM**

NONE

**GENITAL SYSTEM**

Clitoral Gland	+	+	+	+	+	+	+	+	+	+	<b>10</b>
----------------	---	---	---	---	---	---	---	---	---	---	-----------

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N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 09/07/2016

Time Report Requested: 14:11:20

First Dose M/F: 10/23/03 / 10/22/03

Lab: BAT

<b>B6C3F1 MICE FEMALE</b>	<b>250 MG/KG</b>	DAY ON TEST	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	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									
		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	
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	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	3	4	5	6	7	8	9	0										
<b>* TOTALS</b>																				

Ovary	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Uterus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+

**HEMATOPOIETIC SYSTEM**

Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Lymph Node				+						+									+
Inguinal, Necrosis, Lymphoid										2									3
Renal, Necrosis, Lymphoid				2															
Lymph Node, Mandibular	+	+	+	+	+	+	+	+	+	M	M								
Atrophy					3					3									
Necrosis, Lymphoid				2						2									
Lymph Node, Mesenteric	+	+	+	+	M	+	+	+	+	+	+								
Atrophy				2						3									
Necrosis, Lymphoid				2						2									3
Spleen	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Atrophy	3	2			3	3	2			3	2								
Lymphoid Follicle, Necrosis	2			2			1			2	2								3
Thymus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Atrophy																			
Thymocyte, Necrosis	4	2	4	3			1			4	3								4

**INTEGUMENTARY SYSTEM**

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X .. Lesion present  
I .. Insufficient tissue  
M .. Missing tissue  
A .. Autolysis precludes evaluation  
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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: MICE/B6C3F1

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

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 09/07/2016

Time Report Requested: 14:11:20

First Dose M/F: 10/23/03 / 10/22/03

Lab: BAT

B6C3F1 MICE 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		
	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	0	0	0		
	1	1	1	1	1	1	1	1	1	1	1		
	1	1	1	1	1	1	1	1	1	2	2		
	1	2	3	4	5	6	7	8	9	0	0		
	<b>* TOTALS</b>												
Mammary Gland	+	+	+	+	+	+	+	+	+	+	10		
Skin	+	+	+	+	+	+	+	+	+	+	10		
<b>MUSCULOSKELETAL SYSTEM</b>													
Bone	+	+	+	+	+	+	+	+	+	+	10		
Skeletal Muscle											1		
Inflammation, Chronic Active											1	1	1.0
<b>NERVOUS SYSTEM</b>													
Brain	+	+	+	+	+	+	+	+	+	+	10		
<b>RESPIRATORY SYSTEM</b>													
Lung	+	+	+	+	+	+	+	+	+	+	10		
Bronchiole, Epithelium, Degeneration	3	3	2	2	3	2		3	2	3		9	2.6
Bronchus, Epithelium, Degeneration			2									1	2.0
Peribronchiolar, 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
<b>SPECIAL SENSES SYSTEM</b>													
Eye	+	+	+	+	+	+	+	+	+	+	10		

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Lab: BAT

B6C3F1 MICE FEMALE 250 MG/KG	DAY ON TEST										* TOTALS
	0 3	0 5	0 2	0 3	0 4	0 4	0 2	0 4	0 5	0 3	
	ANIMAL ID										
	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	
Cornea, Inflammation, Chronic Active	2 2										2 2.0
Harderian Gland	+ + + + + + + + + +										10
<b>URINARY SYSTEM</b>											
Kidney	+ + + + + + + + + +										10
Urinary Bladder	+ M + + + + + + + +										9

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

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