

Experiment Number: 20107 - 01
Test Type: 90-DAY
Route: GAVAGE
Species/Strain: RATS/F 344/N

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: 11:43:16

First Dose M/F: 10/20/03 / 10/21/03

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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Lab: BAT

DAY ON TEST		0	0	0	0	0	0	0	0	0	
FISCHER 344 RATS MALE		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 MG/KG	ANIMAL ID	0	0	0	0	0	0	0	0	0	
		0	0	0	0	0	0	0	0	0	
		0	0	0	0	0	0	0	0	0	
		0	0	0	0	0	0	0	0	0	1
		1	2	3	4	5	6	7	8	9	0

ALIMENTARY SYSTEM

Esophagus	+	+	+	+	+	+	+	+	+	+	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
Hyperplasia, Lymphoid						1					1 1.0
Liver	+	+	+	+	+	+	+	+	+	+	10
Fatty Change, Focal		1									1 1.0
Hematopoietic Cell Proliferation				1			1	1	1		4 1.0
Inflammation, Chronic Active	1		1	1		1	1	1	1		7 1.0
Hepatocyte, Necrosis			1		1					1	3 1.0
Pancreas	+	+	+	+	+	+	+	+	+	+	10
Infiltration Cellular, Lymphocyte	3	2	2	2	1	1	2		1	2	9 1.8
Salivary Glands	+	+	+	+	+	+	+	+	+	+	10
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	10

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X .. Lesion present

I .. Insufficient tissue

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FISCHER 344 RATS 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	
* TOTALS											

Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	10
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CARDIOVASCULAR SYSTEM

Blood Vessel	+	+	+	+	+	+	+	+	+	+	10
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Heart	+	+	+	+	+	+	+	+	+	+	10
Cardiomyopathy	1	1	1	2	2	1	2	1	1	2	10 1.4

ENDOCRINE SYSTEM

Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	10
Vacuolization Cytoplasmic	1	1	1	2	1	1	1	1	1	1	10 1.1

Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	10
-----------------	---	---	---	---	---	---	---	---	---	---	-----------

Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	10
--------------------	---	---	---	---	---	---	---	---	---	---	-----------

Parathyroid Gland	+	+	+	+	M	+	+	+	+	+	9
-------------------	---	---	---	---	---	---	---	---	---	---	----------

Pituitary Gland	+	+	+	+	+	+	+	+	+	+	10
-----------------	---	---	---	---	---	---	---	---	---	---	-----------

Thyroid Gland	+	+	+	+	+	+	+	+	+	+	10
---------------	---	---	---	---	---	---	---	---	---	---	-----------

GENERAL BODY SYSTEM

NONE

GENITAL SYSTEM

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

FISCHER 344 RATS MALE 0 MG/KG	DAY ON TEST										* TOTALS	
	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		
	ANIMAL ID											
	0 0 0 0 1	0 0 0 0 2	0 0 0 0 3	0 0 0 0 4	0 0 0 0 5	0 0 0 0 6	0 0 0 0 7	0 0 0 0 8	0 0 0 0 9	0 0 0 0 0		
Inflammation		1		1							2	1.0
Preputial Gland Duct, Ectasia	+	+	+	+	+	+	+	+	+	+	10	
				2							1	2.0
Prostate Epithelium, Hyperplasia	+	+	+	+	+	+	+	+	+	+	10	
					1			2			2	1.5
Seminal Vesicle	+	+	+	+	+	+	+	+	+	+	10	
Testes	+	+	+	+	+	+	+	+	+	+	10	
HEMATOPOIETIC SYSTEM												
Bone Marrow	+	+	+	+	+	+	+	+	+	+	10	
Lymph Node Mediastinal, Hyperplasia, Lymphoid								+			1	
								2			1	2.0
Lymph Node, Mandibular	M	M	M	M	M	M	M	M	M	M	0	
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	10	
Spleen Hematopoietic Cell Proliferation	+	+	+	+	+	+	+	+	+	+	10	
	1	1	1	1	1	1	1	1	1	1	9	1.0
Pigmentation	1	1	1	1	1	1	1	1	1	1	10	1.0
Capsule, Fibrosis						1					1	1.0
Mesothelium, Hypertrophy				2				1	1		3	1.3
Thymus Hemorrhage	+	+	+	+	+	+	+	+	+	+	10	
				2							1	2.0

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DAY ON TEST		0	0	0	0	0	0	0	0	0	0	0	0	0	0	
FISCHER 344 RATS MALE		0	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	9	
		3	3	3	3	3	3	3	3	3	3	3	3	3	3	
0 MG/KG	ANIMAL ID	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	
		0	0	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	
		1	2	3	4	5	6	7	8	9	0					

*** TOTALS**

INTEGUMENTARY SYSTEM

Mammary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	10
Skin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	10

MUSCULOSKELETAL SYSTEM

Bone	+	+	+	+	+	+	+	+	+	+	+	+	+	+	10
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NERVOUS SYSTEM

Brain	+	+	+	+	+	+	+	+	+	+	+	+	+	+	10
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RESPIRATORY SYSTEM

Lung	+	+	+	+	+	+	+	+	+	+	+	+	+	+	10
Inflammation, Chronic Active	1	1	1	1	2	2	1	2	1	1					10 1.3
Alveolus, Infiltration Cellular, Histiocyte				1											1 1.0
Nose	+	+	+	+	+	+	+	+	+	+	+	+	+	+	10
Respiratory Epithelium, Hyperplasia							1								1 1.0
Trachea	+	+	+	+	+	+	+	+	+	+	+	+	+	+	10
Inflammation, Chronic Active						2		1							2 1.5

SPECIAL SENSES SYSTEM

Eye	+	+	+	+	+	+	+	+	+	+	+	+	+	+	10
Harderian Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	10

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		0	0	0	0	0	0	0	0	0		
FISCHER 344 RATS MALE	DAY ON TEST	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 MG/KG											
	ANIMAL ID	0	0	0	0	0	0	0	0	0		
		0	0	0	0	0	0	0	0	0		
		0	0	0	0	0	0	0	0	0		
		0	0	0	0	0	0	0	0	1		
		1	2	3	4	5	6	7	8	9	0	
* TOTALS												
Pigmentation									1	2		
2 1.5												

URINARY SYSTEM

Kidney	+	+	+	+	+	+	+	+	+	+	10	
Mineralization								1				1 1.0
Nephropathy	1	1	1		1	1	1	1	1	1		9 1.0
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	10	

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FISCHER 344 RATS MALE	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
62.5 MG/KG		9	9	9	9	9	9	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	3	3	3	3	3	3
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	0
		1	2	3	4	5	6	7	8	9	0									
* TOTALS																				

ALIMENTARY SYSTEM

Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	10		
Hematopoietic Cell Proliferation		1	1		1	1	1	1	1	1	1	1	1	1							8	1.0
Inflammation, Chronic Active	1	1	1	1	1	1	1	1	1	1	1	1	1	1							10	1.0
Pigmentation		1	1					1					1								4	1.0
Hepatocyte, Hypertrophy	1												1								2	1.0
Hepatocyte, Necrosis												1	1	1							3	1.0
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		10	

CARDIOVASCULAR SYSTEM

NONE

ENDOCRINE SYSTEM

NONE

GENERAL BODY SYSTEM

NONE

GENITAL SYSTEM

NONE

HEMATOPOIETIC SYSTEM

Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	10		
Hyperplasia	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2		10	2.0

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DAY ON TEST	0	0	0	0	0	0	0	0	0	0	ANIMAL ID
	9	9	9	9	9	9	9	9	9	9	
FISCHER 344 RATS MALE	3	3	3	3	3	3	3	3	3	3	
62.5 MG/KG	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	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											

Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	10
Spleen	+	+	+	+	+	+	+	+	+	+	10
Congestion	1	1	2	1	1	1	2	1	1	1	10 1.2
Hematopoietic Cell Proliferation	2	2	2	2	2	2	2	2	2	2	10 2.0
Pigmentation	2	2	3	2	2	2	2	2	2	2	10 2.1
Capsule, Fibrosis		1			1	1			1		5 1.0
Mesothelium, Hypertrophy		2	1			1	1		1		5 1.2
Thymus	+	+	+	+	+	+	+	+	+	+	10

INTEGUMENTARY SYSTEM

NONE

MUSCULOSKELETAL SYSTEM

NONE

NERVOUS SYSTEM

NONE

RESPIRATORY SYSTEM

Lung	+	+	+	+	+	+	+	+	+	+	10
Hemorrhage	2										1 2.0
Inflammation, Chronic Active	1	1	1		1		1	1	1	1	8 1.0
Nose	+	+	+	+	+	+	+	+	+	+	10
Olfactory Epithelium, Degeneration	1	1					1	1	1		5 1.0

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	9	9	9	9	9	9	9	9	9	9			
FISCHER 344 RATS MALE	3	3	3	3	3	3	3	3	3	3			
62.5 MG/KG	0	0	0	0	0	0	0	0	0	0			
	0	0	0	0	0	0	0	0	0	0			
	0	0	0	0	0	0	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		
Respiratory Epithelium, Hyperplasia	1							1					2 1.0
Respiratory Epithelium, Metaplasia, Squamous		1	2	2	2	1	1		1	2			8 1.5
Trachea	+	+	+	+	+	+	+	+	+	+			10

SPECIAL SENSES SYSTEM

NONE

URINARY SYSTEM

Kidney	+	+	+	+	+	+	+	+	+	+			10
Mineralization	1	1			1		1						4 1.0
Nephropathy	1	1	1	1	1	1	1	1	1	1			10 1.0
Pigmentation	1	1	1	1	1	1	1	1	1	1			10 1.0

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	ANIMAL ID	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
125 MG/KG		9	9	9	9	9	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	3	3	3	3	3
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		2	2	2	2	2	2	2	2	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	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	10 1.0
Hepatodiaphragmatic Nodule				X															1
Inflammation, Chronic Active		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	9 1.0
Pigmentation	1	1	1						1	1	1	1	1	1	1	1	1	1	7 1.0
Hepatocyte, Hypertrophy	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	9 1.0
Hepatocyte, Necrosis				1	1			1	1									1	5 1.0
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	10
Inflammation		1																	1 1.0
Ulcer		2																	1 2.0

CARDIOVASCULAR SYSTEM

NONE

ENDOCRINE SYSTEM

NONE

GENERAL BODY SYSTEM

NONE

GENITAL SYSTEM

NONE

HEMATOPOIETIC SYSTEM

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1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

Experiment Number: 20107 - 01

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: RATS/F 344/N

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: 11:43:16

First Dose M/F: 10/20/03 / 10/21/03

Lab: BAT

DAY ON TEST	0	0	0	0	0	0	0	0	0	0	ANIMAL ID
	9	9	9	9	9	9	9	9	9	9	
FISCHER 344 RATS MALE	3	3	3	3	3	3	3	3	3	3	
125 MG/KG	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**

Bone Marrow	+	+	+	+	+	+	+	+	+	+	10
Hyperplasia	3	3	2	3	3	3	3	3	3	3	10 2.9
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	10
Spleen	+	+	+	+	+	+	+	+	+	+	10
Congestion	1	2	2	2	2	2	2	1	2	2	10 1.8
Hematopoietic Cell Proliferation	2	2	2	2	2	2	2	2	2	2	10 2.0
Pigmentation	2	2	2	2	2	3	3	2	2	2	10 2.2
Capsule, Fibrosis	1	3	2	1	1	1	1	1	1	2	10 1.4
Mesothelium, Hypertrophy	2	2	1	1		2	1		1	2	8 1.5
Thymus	+	+	+	+	+	+	+	+	+	+	10

INTEGUMENTARY SYSTEM

NONE

MUSCULOSKELETAL SYSTEM

NONE

NERVOUS SYSTEM

NONE

RESPIRATORY SYSTEM

Lung	+	+	+	+	+	+	+	+	+	+	10
Inflammation, Chronic Active	1	1	1		1	1	1	1	1	1	9 1.0
Alveolus, Metaplasia, Squamous, Focal					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

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1-4 .. Lesion qualified as:

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Experiment Number: 20107 - 01

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: RATS/F 344/N

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N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 09/07/2016

Time Report Requested: 11:43:16

First Dose M/F: 10/20/03 / 10/21/03

Lab: BAT

DAY ON TEST	0	0	0	0	0	0	0	0	0	0
	FISCHER 344 RATS MALE	0	0	0	0	0	0	0	0	0
125 MG/KG	9	9	9	9	9	9	9	9	9	9
ANIMAL ID	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
	2	2	2	2	2	2	2	2	2	3
	1	2	3	4	5	6	7	8	9	0

* TOTALS

Nose	+	+	+	+	+	+	+	+	+	+	10	
Glands, Hyperplasia	2	2	2	2	2	2	1	1	2	2		10 1.8
Olfactory Epithelium, Degeneration	2	3	3	2	2	3	2	3	3	2		10 2.5
Respiratory Epithelium, Hyperplasia	1	1		2	2		1		2	1		7 1.4
Respiratory Epithelium, Metaplasia, Squamous	3	1	2	3	3	3	3	2	3	2		10 2.5
Trachea	+	+	+	+	+	+	+	+	+	+	10	
Inflammation, Chronic Active				1					1			2 1.0

SPECIAL SENSES SYSTEM

NONE

URINARY SYSTEM

Kidney	+	+	+	+	+	+	+	+	+	+	10	
Mineralization	1	3	1	1	1	1	1	1	2	1		10 1.3
Nephropathy	1	1	1	1	1	1	1	1	1	1		10 1.0
Pigmentation	1	1	1	1	1	1	1	1	1	1		10 1.0
Papilla, Necrosis	3			1	1	1	1	1		1		7 1.3
Renal Tubule, Dilatation	3				1							2 2.0

* .. 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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Experiment Number: 20107 - 01

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: RATS/F 344/N

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: 11:43:16

First Dose M/F: 10/20/03 / 10/21/03

Lab: BAT

FISCHER 344 RATS 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
		9	9	9	9	9	9	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	3	3	3	3	3	3
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		3	3	3	3	3	3	3	3	3	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			1		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		8	1.0	
Hepatodiaphragmatic Nodule				X																	1		
Inflammation, Chronic Active				1	1	1	1				1	1									6	1.0	
Pigmentation	1	1	1	1	1	1	1				1	1	1								9	1.0	
Bile Duct, Hyperplasia					1				1	1											3	1.0	
Hepatocyte, Hypertrophy	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		10	1.2	
Hepatocyte, Necrosis				1	1	1															3	1.0	
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		10		
Hyperplasia, Squamous												1	1									2	1.0

CARDIOVASCULAR SYSTEM

NONE

ENDOCRINE SYSTEM

NONE

GENERAL BODY SYSTEM

NONE

GENITAL SYSTEM

NONE

HEMATOPOIETIC SYSTEM

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

+ .. Tissue examined microscopically

X .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

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Experiment Number: 20107 - 01

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: RATS/F 344/N

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: 11:43:16

First Dose M/F: 10/20/03 / 10/21/03

Lab: BAT

FISCHER 344 RATS MALE 250 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 9 3
	0	0	0	0	0	0	0	0	0	0	0 0 0 3 1	
	1	2	3	4	5	6	7	8	9	0		* TOTALS

Bone Marrow	+	+	+	+	+	+	+	+	+	+		10
Hyperplasia	3	3	3	3	3	3	3	3	3	3		10 3.0
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+		10
Spleen	+	+	+	+	+	+	+	+	+	+		10
Congestion	2	3	2	3	2	2	3	2	3	2		10 2.4
Hematopoietic Cell Proliferation	2	2	2	1	2	2	2	2	2	2		10 1.9
Pigmentation	2	2	2	2	2	2	2	2	2	2		10 2.0
Capsule, Fibrosis	3	3	3	3	2	2	3	2	3	3		10 2.7
Lymphoid Follicle, Atrophy	2	2	2	2	1	1	1			1		8 1.5
Mesothelium, Hypertrophy	2	2	2	2	1	1	1	1	1	2		10 1.5
Thymus	+	+	+	+	+	+	+	+	+	+		10

INTEGUMENTARY SYSTEM

NONE

MUSCULOSKELETAL SYSTEM

NONE

NERVOUS SYSTEM

NONE

RESPIRATORY SYSTEM

Lung	+	+	+	+	+	+	+	+	+	+		10
Inflammation, Chronic Active	1	1	1	1	1	1	3	1	1	1		10 1.2

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Lab: BAT

DAY ON TEST	0	0	0	0	0	0	0	0	0	0
	FISCHER 344 RATS MALE	0	0	0	0	0	0	0	0	0
250 MG/KG	9	9	9	9	9	9	9	9	9	9
ANIMAL ID	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
	3	3	3	3	3	3	3	3	3	4
	1	2	3	4	5	6	7	8	9	0
* TOTALS										

Nose	+	+	+	+	+	+	+	+	+	+	10
Glands, Hyperplasia	2	2	2	3	2	2	2	2	2	2	10 2.1
Olfactory Epithelium, Degeneration	3	3	3	3	3	3	3	3	3	3	10 3.0
Olfactory Epithelium, Metaplasia	2	2	2	2	1	1		2	2	3	9 1.9
Respiratory Epithelium, Hyperplasia	2	2	2	2	1	2	1	1	1	1	10 1.5
Respiratory Epithelium, Metaplasia, Squamous	3	3	3	3	3	3	2	3	3	2	10 2.8
Trachea	+	+	+	+	+	+	+	+	+	+	10
Inflammation, Chronic Active			1			1			1		3 1.0

SPECIAL SENSES SYSTEM

NONE

URINARY SYSTEM

Kidney	+	+	+	+	+	+	+	+	+	+	10
Mineralization	1	3	1	3	2	2	2	2	1	1	10 1.8
Nephropathy	1	2	1	1	1	1	1	1	1	1	10 1.1
Pigmentation	2	2	1	2	1	2	1	2	2	1	10 1.6
Papilla, Necrosis	2	2	2	2	1	2	1				7 1.7
Renal Tubule, Dilatation	2										1 2.0

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+ .. Tissue examined microscopically

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N,N-Dimethyl-p-toluidine

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Time Report Requested: 11:43:16

First Dose M/F: 10/20/03 / 10/21/03

Lab: BAT

DAY ON TEST	0	0	0	0	0	0	0	0	0	0
	FISCHER 344 RATS MALE	0	0	0	0	0	0	0	0	0
	9	9	9	9	9	9	0	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
	4	4	4	4	4	4	4	4	4	5
	1	2	3	4	5	6	7	8	9	0
* TOTALS										

ALIMENTARY SYSTEM

Esophagus	+	+	+	+	+	+	+	+	+	+	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
Basophilic Focus					X			X			2
Hematopoietic Cell Proliferation	1		1	1	1			1		1	7 1.0
Hepatodiaphragmatic Nodule			3								1 3.0
Inflammation, Chronic Active		1	2	1			1	1	1	1	7 1.1
Pigmentation	1	1	1	1	1	1		1	1	1	9 1.0
Bile Duct, Hyperplasia								1			1 1.0
Centrilobular, Fatty Change							1				1 1.0
Centrilobular, Hepatocyte, Necrosis							3				1 3.0
Hepatocyte, Hypertrophy	2	2	2	2	2	2	2	1	2	1	10 1.8
Hepatocyte, Necrosis	1		1			1			1	1	5 1.0
Pancreas	+	+	+	+	+	+	+	+	+	+	10
Infiltration Cellular, Lymphocyte	2	3		2	2	1			2		6 2.0

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+ .. Tissue examined microscopically

X .. Lesion present

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2) Mild 4) Marked

Experiment Number: 20107 - 01

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: RATS/F 344/N

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: 11:43:16

First Dose M/F: 10/20/03 / 10/21/03

Lab: BAT

DAY ON TEST	0	0	0	0	0	0	0	0	0	0	ANIMAL ID
	9	9	9	9	9	9	9	9	9	9	
FISCHER 344 RATS MALE	3	3	3	3	3	3	3	3	3	3	
500 MG/KG	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	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											

Salivary Glands	+	+	+	+	+	+	+	+	+	+	10	
Fibrosis	2											1 2.0
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	10	
Hyperplasia, Squamous								3	1			2 2.0
Inflammation				1	1			1	2	2		5 1.4
Mineralization								1				1 1.0
Ulcer								3				1 3.0
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	10	
Inflammation				1								1 1.0

CARDIOVASCULAR SYSTEM

Blood Vessel	+	+	+	+	+	+	+	+	+	+	10	
Heart	+	+	+	+	+	+	+	+	+	+	10	
Cardiomyopathy	1	1		1		1			1	1		6 1.0

ENDOCRINE SYSTEM

Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	10	
Mineralization		2										1 2.0
Vacuolization Cytoplasmic			1									1 1.0
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	10	
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	10	
Parathyroid Gland	+	+	+	+	M	+	+	+	+	M	8	

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1-4 .. Lesion qualified as:
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Experiment Number: 20107 - 01

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Species/Strain: RATS/F 344/N

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

N,N-Dimethyl-p-toluidine

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Time Report Requested: 11:43:16

First Dose M/F: 10/20/03 / 10/21/03

Lab: BAT

DAY ON TEST	0	0	0	0	0	0	0	0	0	0	ANIMAL ID
	9	9	9	9	9	9	9	9	9	9	
FISCHER 344 RATS MALE	3	3	3	3	3	3	3	3	3	3	
500 MG/KG	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	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**

Pituitary Gland + + + + + + + + + + **10**

Thyroid Gland + + + + + + + + + + **10**

GENERAL BODY SYSTEM

NONE

GENITAL SYSTEM

Epididymis + + + + + + + + + + **10**

Preputial Gland + + + + + + + + + + **10**

Prostate + + + + + + + + + + **10**

Inflammation, Chronic Active 1 **1 1.0**
 Epithelium, Hyperplasia 1 1 **2 1.0**

Seminal Vesicle + + + + + + + + + + **10**

Testes + + + + + + + + + + **10**
 Atrophy 1 **1 1.0**

HEMATOPOIETIC SYSTEM

Bone Marrow + + + + + + + + + + **10**
 Hyperplasia 3 3 3 3 3 3 2 3 3 3 **10 2.9**

Lymph Node + **1**
 Mediastinal, Hyperplasia, Lymphoid 2 **1 2.0**

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

+ .. Tissue examined microscopically

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N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 09/07/2016

Time Report Requested: 11:43:16

First Dose M/F: 10/20/03 / 10/21/03

Lab: BAT

FISCHER 344 RATS MALE 500 MG/KG	DAY ON TEST										* TOTALS	
	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		
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		
	4	4	4	4	4	4	4	4	4	5		
	1	2	3	4	5	6	7	8	9	0		
Lymph Node, Mandibular	M	M	M	M	M	M	M	M	M	M	0	
Lymph Node, Mesenteric Atrophy	+	+	+	+	+	+	+	+	+	+	10	3 1.7
Spleen	+	+	+	+	+	+	+	+	+	+	10	
Congestion	3	3	3	3	3	3		3	3	3		9 3.0
Hematopoietic Cell Proliferation	1	1	2	2	2	2		2	2	2		9 1.8
Pigmentation	2	2	2	2	2	2		2	2	2		9 2.0
Capsule, Fibrosis	3	3	3	3	3	3		3	2	2		9 2.8
Lymphoid Follicle, Atrophy	3	3	3	3	2	3	4	2	2	2		10 2.7
Mesothelium, Hypertrophy	1	2	2	2	2	2		2	1	2		9 1.8
Red Pulp, Atrophy							2					1 2.0
Thymus	+	+	+	+	+	+	+	+	+	+	10	
Thymocyte, Necrosis							3					1 3.0
INTEGUMENTARY SYSTEM												
Mammary Gland	+	+	M	+	M	M	+	+	M	M	5	
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
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Species/Strain: RATS/F 344/N

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: 11:43:16

First Dose M/F: 10/20/03 / 10/21/03

Lab: BAT

FISCHER 344 RATS MALE	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
500 MG/KG		9	9	9	9	9	9	0	9	9	9	3	3	3	3	3	3	3	3	3
		3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	5	5
		1	2	3	4	5	6	7	8	9	0									
* TOTALS																				

RESPIRATORY SYSTEM

Lung	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	10		
Inflammation, Chronic Active	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		10	1.0
Alveolus, Infiltration Cellular, Histiocyte					1																1	1.0
Nose	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	10		
Glands, Hyperplasia	2	2	3	2	2	2			2	2	2										9	2.1
Olfactory Epithelium, Degeneration	3	3	3	3	3	3	4		3	3	3										10	3.1
Olfactory Epithelium, Metaplasia	3	3	3	3	3	3			3	3	2										9	2.9
Respiratory Epithelium, Hyperplasia	2	2	2	2	1	2			2	1	2										9	1.8
Respiratory Epithelium, Metaplasia, Squamous	3	3	3	3	3	3			3	3	3										9	3.0
Trachea	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	10		
Inflammation, Chronic Active					2					1											3	1.7

SPECIAL SENSES SYSTEM

Eye	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	10		
Cataract				3																	1	3.0
Anterior Chamber, Inflammation, Suppurative				4																	1	4.0
Ciliary Body, Inflammation, Suppurative				4																	1	4.0
Cornea, Ulcer				4																	1	4.0
Retina, Degeneration				3																	1	3.0
Harderian Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	10		
Hemorrhage				3																	1	3.0
Infiltration Cellular, Lymphocyte				3																	1	3.0
Inflammation, Chronic Active				3																	1	3.0
Pigmentation							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 - 01

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: RATS/F 344/N

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: 11:43:16

First Dose M/F: 10/20/03 / 10/21/03

Lab: BAT

FISCHER 344 RATS MALE	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
500 MG/KG		9	9	9	9	9	9	0	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	3	3	3	3	3	3
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	5
		1	2	3	4	5	6	7	8	9	0									
* TOTALS																				
Epithelium, Hyperplasia		3																	1 3.0	

URINARY SYSTEM

Kidney	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	10
Mineralization	3	2		2	1	2			2	3	2									8 2.1
Nephropathy	2	1	1	1	1	2			1	3	2									9 1.6
Pigmentation	2	2	1	2	2	2			2	2	2									9 1.9
Papilla, Necrosis	3	3	2	2	2	2			2	4	2									9 2.4
Renal Tubule, Dilatation	1		3							2										3 2.0
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	10

* .. 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 - 01

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: RATS/F 344/N

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: 11:43:16

First Dose M/F: 10/20/03 / 10/21/03

Lab: BAT

FISCHER 344 RATS MALE 1000 MG/KG	DAY ON TEST	0	0	0	0	0	0	0	0	0	
		0	0	0	0	0	0	0	0	0	
		0	0	0	0	0	0	0	0	0	
		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	
		5	5	5	5	5	5	5	5	6	
		1	2	3	4	5	6	7	8	9	

* TOTALS

ALIMENTARY SYSTEM

Esophagus	+	+	+	+	+	+	+	+	+	+	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 1.0
Centrilobular, Fatty Change					1		1				2 1.0
Centrilobular, Hepatocyte, Necrosis	3	3	3	2	3	3	3	3	3	3	10 2.9
Hepatocyte, Hypertrophy	2	2	2	2	2	2	2	2	1	1	10 1.8
Pancreas	+	+	+	+	+	+	+	+	+	+	10
Salivary Glands	+	+	+	+	+	+	+	+	+	+	10
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	10
Hemorrhage								2			1 2.0
Inflammation	3	2	3	2	3	3		3	1	2	9 2.4
Mineralization					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

Experiment Number: 20107 - 01

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: RATS/F 344/N

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: 11:43:16

First Dose M/F: 10/20/03 / 10/21/03

Lab: BAT

FISCHER 344 RATS MALE 1000 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	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
	5	5	5	5	5	5	5	5	5	6	0
	1	2	3	4	5	6	7	8	9	0	

* TOTALS

Ulcer	3	2	2	2	2	2	2	2	2	2	7	2.1
Stomach, Glandular Ulcer	+	+	+	+	+	+	+	+	+	+	10	1 2.0

CARDIOVASCULAR SYSTEM

Blood Vessel	+	+	+	+	+	+	+	+	+	+	10	
Heart Cardiomyopathy	+	+	+	+	+	+	+	+	+	+	10	1 1.0

ENDOCRINE SYSTEM

Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	10	
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	10	
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	10	
Parathyroid Gland	+	M	+	+	+	+	M	M	+	+	7	
Pituitary Gland	+	+	+	+	+	M	+	+	+	+	9	
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	10	

GENERAL BODY SYSTEM

NONE

GENITAL 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
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1-4 .. Lesion qualified as:
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Experiment Number: 20107 - 01

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: RATS/F 344/N

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: 11:43:16

First Dose M/F: 10/20/03 / 10/21/03

Lab: BAT

FISCHER 344 RATS MALE 1000 MG/KG	DAY ON TEST										* TOTALS	
	0 0 0 3	0 0 0 3	0 0 0 3	0 0 0 3	0 0 0 3	0 0 0 3	0 0 0 3	0 0 0 3	0 0 0 3	0 0 0 3		
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		
	Epididymis	+	+	+	+	+	+	+	+	+	+	10
Preputial Gland	+	+	+	+	+	+	+	+	+	+	10	
Prostate	+	+	+	+	+	+	+	+	+	+	10	
Seminal Vesicle	+	M	+	+	+	+	+	+	+	M	8	
Testes	+	+	+	+	+	+	+	+	+	+	10	
HEMATOPOIETIC SYSTEM												
Bone Marrow	+	+	+	+	+	+	+	+	+	+	10	
Hyperplasia	2	3	3	2	2	2	1	1	1	1		10 1.8
Lymph Node, Mandibular	M	M	M	M	M	M	M	M	M	M	0	
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	10	
Atrophy	2		2	2		3			1	3		6 2.2
Necrosis, Lymphoid				2		2						2 2.0
Spleen	+	+	+	+	+	+	+	+	+	+	10	
Hematopoietic Cell Proliferation	1	1	1	1	1	1	1	1	1			9 1.0
Lymphoid Follicle, Atrophy	4	4	4	3	4	4	3	3	4	4		10 3.7
Red Pulp, Atrophy	2	3	2	3	3	3	3	2	3	3		10 2.7
Thymus	+	+	+	+	+	+	+	+	+	+	10	
Hemorrhage	2	2	3	2		3			2	2		7 2.3
Thymocyte, Necrosis	3	3	3	3	3	3	3	3	3	4		10 3.1

* .. 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 - 01

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: RATS/F 344/N

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: 11:43:16

First Dose M/F: 10/20/03 / 10/21/03

Lab: BAT

FISCHER 344 RATS MALE	DAY ON TEST	0	0	0	0	0	0	0	0	0	
		0	0	0	0	0	0	0	0	0	
		0	0	0	0	0	0	0	0	0	
		3	3	3	3	3	3	3	3	3	
1000 MG/KG	ANIMAL ID	0	0	0	0	0	0	0	0	0	
		0	0	0	0	0	0	0	0	0	
		0	0	0	0	0	0	0	0	0	
		5	5	5	5	5	5	5	5	6	
		1	2	3	4	5	6	7	8	9	
* TOTALS											

INTEGUMENTARY SYSTEM

Mammary Gland	+	+	+	+	+	+	+	+	+	+	10
Skin	+	+	+	+	+	+	+	+	+	+	10

MUSCULOSKELETAL SYSTEM

Bone	+	+	+	+	+	+	+	+	+	+	10
------	---	---	---	---	---	---	---	---	---	---	-----------

NERVOUS SYSTEM

Brain	+	+	+	+	+	+	+	+	+	+	10
-------	---	---	---	---	---	---	---	---	---	---	-----------

RESPIRATORY SYSTEM

Lung	+	+	+	+	+	+	+	+	+	+	10		
Inflammation, Chronic Active	1	1	1	1	1	1	1	1	1	1		10	1.0
Thrombosis			2			1						2	1.5
Nose	+	+	+	+	+	+	+	+	+	+	10		
Olfactory Epithelium, Degeneration	4	4	4	4	4	4	4	4	4	4		10	4.0
Respiratory Epithelium, Hyperplasia	2	2	2		1			2	2	2		7	1.9
Respiratory Epithelium, Metaplasia, Squamous							2					1	2.0
Trachea	+	+	+	+	+	+	+	+	+	+	10		

SPECIAL SENSES SYSTEM

Eye	+	+	+	+	+	+	+	+	+	+	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:

1) Minimal 3) Moderate

2) Mild 4) Marked

Experiment Number: 20107 - 01

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: RATS/F 344/N

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: 11:43:16

First Dose M/F: 10/20/03 / 10/21/03

Lab: BAT

		0	0	0	0	0	0	0	0	0	
FISCHER 344 RATS MALE	DAY ON TEST	0	0	0	0	0	0	0	0	0	
		0	0	0	0	0	0	0	0	0	
		0	0	0	0	0	0	0	0	0	
		3	3	3	3	3	3	3	3	3	
1000 MG/KG	ANIMAL ID	0	0	0	0	0	0	0	0	0	
		0	0	0	0	0	0	0	0	0	
		0	0	0	0	0	0	0	0	0	
		5	5	5	5	5	5	5	5	6	
		1	2	3	4	5	6	7	8	9	0
* TOTALS											
Harderian Gland		+	+	+	+	+	+	+	+	+	10
Pigmentation			2	2	2	2	2	2	2	2	9 2.0
URINARY SYSTEM											
Kidney		+	+	+	+	+	+	+	+	+	10
Hemorrhage				2			2				2 2.0
Nephropathy		1	1							1	3 1.0
Papilla, Necrosis		1		2							2 1.5
Renal Tubule, Dilatation				1		2		1			3 1.3
Urinary Bladder		+	+	+	+	M	+	+	+	+	9
Hemorrhage		1		3							2 2.0

*** END OF MALE DATA ***

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

+ .. Tissue examined microscopically

X .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

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BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

Experiment Number: 20107 - 01

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: RATS/F 344/N

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: 11:43:16

First Dose M/F: 10/20/03 / 10/21/03

Lab: BAT

		0	0	0	0	0	0	0	0	0	
FISCHER 344 RATS FEMALE	DAY ON TEST	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 MG/KG										
	ANIMAL ID	0	0	0	0	0	0	0	0	0	
		0	0	0	0	0	0	0	0	0	
		0	0	0	0	0	0	0	0	0	
		6	6	6	6	6	6	6	6	7	
		1	2	3	4	5	6	7	8	9	
											* TOTALS

ALIMENTARY SYSTEM

Esophagus	+	+	+	+	+	+	+	+	+	+	10	
Muscularis, Inflammation						1						1 1.0
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	
Hematopoietic Cell Proliferation			1		1		1	1		1		5 1.0
Inflammation, Chronic Active	1	1	1	1	1	1	1			1		8 1.0
Hepatocyte, Necrosis		1										1 1.0
Pancreas	+	+	+	+	+	+	+	+	+	+	10	
Infiltration Cellular, Lymphocyte	3		2			1	2	1	1	2		7 1.7
Salivary Glands	+	+	+	+	+	+	+	+	+	+	10	
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	10	
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	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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2) Mild 4) Marked

Experiment Number: 20107 - 01

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: RATS/F 344/N

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: 11:43:16

First Dose M/F: 10/20/03 / 10/21/03

Lab: BAT

DAY ON TEST	0	0	0	0	0	0	0	0	0	0	FISCHER 344 RATS FEMALE
	0	0	0	0	0	0	0	0	0	0	
ANIMAL ID	9	9	9	9	9	9	9	9	9	9	0 MG/KG
	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											

CARDIOVASCULAR SYSTEM

Blood Vessel	+	+	+	+	+	+	+	+	+	+	10
Heart	+	+	+	+	+	+	+	+	+	+	10
Cardiomyopathy		1	1			1	1	1	2	1	7 1.1
Inflammation				2							1 2.0

ENDOCRINE SYSTEM

Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	10
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
Inflammation					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

M .. Missing tissue

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Route: GAVAGE

Species/Strain: RATS/F 344/N

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: 11:43:16

First Dose M/F: 10/20/03 / 10/21/03

Lab: BAT

DAY ON TEST	0	0	0	0	0	0	0	0	0	0	ANIMAL ID		
	9	9	9	9	9	9	9	9	9	9			
FISCHER 344 RATS FEMALE	3	3	3	3	3	3	3	3	3	3			
0 MG/KG	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	
Ovary	+	+	+	+	+	+	+	+	+	+			10
Uterus	+	+	+	+	+	+	+	+	+	+			10
Endometrium, Hyperplasia, Cystic									3			1	3.0
HEMATOPOIETIC SYSTEM													
Bone Marrow	+	+	+	+	+	+	+	+	+	+			10
Lymph Node, Mandibular	M	M	M	M	M	M	M	M	M	M			0
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+			10
Spleen	+	+	+	+	+	+	+	+	+	+			10
Hematopoietic Cell Proliferation	1	1	1	1	1	1	1	1	1	1			10 1.0
Pigmentation	1	1	1	1	1	1	1	1	1	1			10 1.0
Thymus	+	+	+	+	+	+	+	+	+	+			10
INTEGUMENTARY SYSTEM													
Mammary Gland	+	+	+	+	+	+	+	+	+	+			10
Skin	+	+	+	+	+	+	+	+	+	+			10
MUSCULOSKELETAL SYSTEM													
Bone	+	+	+	+	+	+	+	+	+	+			10
NERVOUS 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 - 01

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: RATS/F 344/N

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DAY ON TEST	0	0	0	0	0	0	0	0	0	0	ANIMAL ID		
	9	9	9	9	9	9	9	9	9	9		0	0
FISCHER 344 RATS FEMALE	3	3	3	3	3	3	3	3	3	3	6	6	
0 MG/KG	1	2	3	4	5	6	7	8	9	0	1	2	* TOTALS
Brain	+	+	+	+	+	+	+	+	+	+			10
RESPIRATORY SYSTEM													
Lung	+	+	+	+	+	+	+	+	+	+			10
Inflammation, Chronic Active		1	1		1	1	1	1	1	1			8 1.0
Nose	+	+	+	+	+	+	+	+	+	+			10
Trachea	+	+	+	+	+	+	+	+	+	+			10
SPECIAL SENSES SYSTEM													
Eye	+	+	+	+	+	+	+	+	+	+			10
Ciliary Body, Inflammation	2												1 2.0
Cornea, Inflammation	2												1 2.0
Retina, Atrophy						2							1 2.0
Retina, Degeneration	4												1 4.0
Harderian Gland	+	+	+	+	+	+	+	+	+	+			10
Inflammation	2	4					3						3 3.0
Mineralization				1									1 1.0
Pigmentation	2	3	2	2	3	1	2	3	2	1			10 2.1
Lacrimal Gland				+									1
URINARY SYSTEM													
Kidney	+	+	+	+	+	+	+	+	+	+			10
Mineralization	1	1	1	1	1	1	1	1	1	1			9 1.0

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Lab: BAT

		0	0	0	0	0	0	0	0	0	
FISCHER 344 RATS FEMALE	DAY ON TEST	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 MG/KG	ANIMAL ID	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	0
* TOTALS											
Nephropathy							1	1			2 1.0
Urinary Bladder Inflammation		+	+	+	+	+	+	+	+	+	10 1 1.0

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+ .. Tissue examined microscopically

X .. Lesion present

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Lab: BAT

FISCHER 344 RATS FEMALE	DAY ON TEST	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	ANIMAL ID	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9
62.5 MG/KG		3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		7	7	7	7	7	7	7	7	7	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			
Hematopoietic Cell Proliferation	1	1	1		1		1	1														6	1.0
Inflammation, Chronic Active	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		10	1.0
Pigmentation	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		10	1.0
Hepatocyte, Hypertrophy				1																		1	1.0
Hepatocyte, Necrosis	2				1	2			1	2	1											6	1.5
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		10	
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		10	

CARDIOVASCULAR SYSTEM

Heart	+	+	+	+	+	+	+	+	+	+												10	
Cardiomyopathy	1		1		1						1											4	1.0

ENDOCRINE SYSTEM

NONE

GENERAL BODY SYSTEM

NONE

GENITAL SYSTEM

NONE

HEMATOPOIETIC SYSTEM

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

+ .. Tissue examined microscopically

X .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

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	9	9	9	9	9	9	9	9	9	9	
FISCHER 344 RATS FEMALE	3	3	3	3	3	3	3	3	3	3	
62.5 MG/KG	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	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

Bone Marrow	+	+	+	+	+	+	+	+	+	+	10
Hyperplasia	2	2	2	2	2	2	2	1	2	2	10 1.9
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	10
Spleen	+	+	+	+	+	+	+	+	+	+	10
Congestion	1									1	2 1.0
Hematopoietic Cell Proliferation	2	2	2	2	2	2	2	1	2	2	10 1.9
Pigmentation	2	2	2	2	2	2	2	2	2	2	10 2.0
Capsule, Fibrosis	1	1				1					3 1.0
Mesothelium, Hypertrophy	1										1 1.0
Thymus	+	+	+	+	+	+	+	+	+	+	10

INTEGUMENTARY SYSTEM

NONE

MUSCULOSKELETAL SYSTEM

NONE

NERVOUS SYSTEM

NONE

RESPIRATORY SYSTEM

Lung	+	+	+	+	+	+	+	+	+	+	10
Inflammation, Chronic Active	1			1	1	1				1	5 1.0

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Lab: BAT

FISCHER 344 RATS FEMALE	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	
62.5 MG/KG	ANIMAL ID	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	

* TOTALS

Nose	+	+	+	+	+	+	+	+	+	+	10
Glands, Hyperplasia	1						1			1	3 1.0
Olfactory Epithelium, Degeneration	1	2		1	2		1		1	1	7 1.3
Respiratory Epithelium, Hyperplasia										1	1 1.0
Trachea	+	+	+	+	+	+	+	+	+	+	10

SPECIAL SENSES SYSTEM

NONE

URINARY SYSTEM

Kidney	+	+	+	+	+	+	+	+	+	+	10
Mineralization	1	1		1		1			1	1	6 1.0
Nephropathy			1			1					2 1.0
Pigmentation	1	1	1	1	1	1	1	1	1	1	10 1.0

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Lab: BAT

FISCHER 344 RATS FEMALE	DAY ON TEST	0	0	0	0	0	0	0	0	0	
		9	9	9	9	9	9	9	9	9	
125 MG/KG	ANIMAL ID	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	
* TOTALS											

ALIMENTARY SYSTEM

Liver	+	+	+	+	+	+	+	+	+	+	10	
Hematopoietic Cell Proliferation	1		1	1		1	1	1	1	1		8 1.0
Inflammation, Chronic Active	1	1	1	1	1	1	1	1	1	1		10 1.0
Pigmentation	1	1	1	1	1	1	1	1	1	1		10 1.0
Hepatocyte, Hypertrophy		1	1		1	1	1	1	1			7 1.0
Hepatocyte, Necrosis		1	2	2	1	1						5 1.4
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	10	
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	10	

CARDIOVASCULAR SYSTEM

Heart	+	+	+	+	+	+	+	+	+	+	10	
Cardiomyopathy	1	1	1		1	1	1		1			7 1.0

ENDOCRINE SYSTEM

NONE

GENERAL BODY SYSTEM

NONE

GENITAL SYSTEM

NONE

HEMATOPOIETIC SYSTEM

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+ .. Tissue examined microscopically

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First Dose M/F: 10/20/03 / 10/21/03

Lab: BAT

FISCHER 344 RATS FEMALE 125 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 0 8 1	
	2	3	3	3	4	5	6	7	8	9	0 0 0 8 9	
	* TOTALS											

Bone Marrow Hyperplasia	+	+	+	+	+	+	+	+	+	+	10	10 2.7
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	10	
Spleen Congestion	+	+	+	+	+	+	+	+	+	+	10	10 1.4
Hematopoietic Cell Proliferation	1	2	1	2	2	1	1	1	1	2	10	1.9
Pigmentation	2	2	2	2	1	2	2	2	2	2	10	2.0
Capsule, Fibrosis	2	2	2	2	2	2	2	2	2	2	7	1.3
Capsule, Fibrosis Mesothelium, Hypertrophy	1	2	1		1	2			1	1	2	1.5
Thymus	+	+	+	+	+	+	+	+	+	+	10	

INTEGUMENTARY SYSTEM

NONE

MUSCULOSKELETAL SYSTEM

NONE

NERVOUS SYSTEM

NONE

RESPIRATORY SYSTEM

Lung Inflammation, Chronic Active	+	+	+	+	+	+	+	+	+	+	10	8 1.0
			1	1	1		1	1	1	1		

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Lab: BAT

FISCHER 344 RATS FEMALE	DAY ON TEST	0	0	0	0	0	0	0	0	0	
		0	0	0	0	0	0	0	0	0	
125 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	
* TOTALS											

Nose	+	+	+	+	+	+	+	+	+	+	10	
Glands, Hyperplasia	1	2		2	2	2	1	2	1	2		9 1.7
Olfactory Epithelium, Degeneration	2	2	2	3	2	2	2	2	2	2		10 2.1
Respiratory Epithelium, Hyperplasia	1	1	1		2	1	1	1				7 1.1
Respiratory Epithelium, Metaplasia, Squamous	2	1	2		2		1			1		6 1.5
Trachea	+	+	+	+	+	+	+	+	+	+	10	

SPECIAL SENSES SYSTEM

NONE

URINARY SYSTEM

Kidney	+	+	+	+	+	+	+	+	+	+	10	
Mineralization	2	2	1		1			1		1		6 1.3
Nephropathy	1	1	1		1	1	1	1	1	1		9 1.0
Pigmentation	1	1	1	1	1	1	1	1	1	1		10 1.0

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FISCHER 344 RATS FEMALE	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	
250 MG/KG	ANIMAL ID	0	0	0	0	0	0	0	0	0	
		0	0	0	0	0	0	0	0	0	
		0	0	0	0	0	0	0	0	1	
		9	9	9	9	9	9	9	9	0	
	1	2	3	4	5	6	7	8	9	0	* TOTALS

ALIMENTARY SYSTEM

Liver	+	+	+	+	+	+	+	+	+	+	10	
Angiectasis					1							1 1.0
Hematopoietic Cell Proliferation	1		1		1	1		2				6 1.2
Hepatodiaphragmatic Nodule			X									1
Inflammation, Chronic Active				1		1		2	1			4 1.3
Pigmentation	1	2	2	2	2	2	2	2	1			10 1.8
Hepatocyte, Hypertrophy	1	1	1		1	1	1	2	1			9 1.1
Hepatocyte, Necrosis	2	1	2		1			1	1	1		7 1.3
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	10	
Erosion				2								1 2.0
Inflammation				3			1	1				3 1.7
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	10	

CARDIOVASCULAR SYSTEM

Heart	+	+	+	+	+	+	+	+	+	+	10	
Cardiomyopathy	1				1	1	1	1	1	1		7 1.0

ENDOCRINE SYSTEM

NONE

GENERAL BODY SYSTEM

NONE

GENITAL SYSTEM

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+ .. Tissue examined microscopically

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Lab: BAT

DAY ON TEST	0	0	0	0	0	0	0	0	0	0	FISCHER 344 RATS FEMALE
	0	0	0	0	0	0	0	0	0	0	
ANIMAL ID	9	9	9	9	9	9	9	9	9	9	250 MG/KG
	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	1	
	9	9	9	9	9	9	9	9	9	0	
	1	2	3	4	5	6	7	8	9	0	
* TOTALS											

NONE

HEMATOPOIETIC SYSTEM

Bone Marrow	+	+	+	+	+	+	+	+	+	+	10
Hyperplasia	3	3	3	3	3	3	3	3	3	3	10 3.0
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	10
Atrophy								2			1 2.0
Spleen	+	+	+	+	+	+	+	+	+	+	10
Congestion	2	3	3	2	2	2	2	3	3	2	10 2.4
Hematopoietic Cell Proliferation	2	3	3	2	2	2	2	2	3	2	10 2.3
Pigmentation	2	2	2	2	2	2	2	2	2	1	10 1.9
Capsule, Fibrosis	2	2	3	3	3	2	2	2	1	2	10 2.2
Mesothelium, Hypertrophy	1	1	2	1	1	1	1	1		1	9 1.1
Thymus	+	+	+	+	+	+	+	+	+	+	10

INTEGUMENTARY SYSTEM

NONE

MUSCULOSKELETAL SYSTEM

NONE

NERVOUS 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 - 01

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: RATS/F 344/N

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: 11:43:16

First Dose M/F: 10/20/03 / 10/21/03

Lab: BAT

FISCHER 344 RATS FEMALE	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		
250 MG/KG	ANIMAL ID	0	0	0	0	0	0	0	0	0		
		0	0	0	0	0	0	0	0	0		
		0	0	0	0	0	0	0	0	1		
		9	9	9	9	9	9	9	9	0		
		1	2	3	4	5	6	7	8	9	0	* TOTALS

RESPIRATORY SYSTEM

Lung	+	+	+	+	+	+	+	+	+	+	10	
Inflammation, Chronic Active	1	1	1	1	1	1	1	1	1	1	8	1.0
Nose	+	+	+	+	+	+	+	+	+	+	10	
Glands, Hyperplasia	2	1	2	2	2	2	2	2	2	2	10	1.9
Olfactory Epithelium, Degeneration	3	3	3	3	3	3	3	3	3	3	10	3.0
Olfactory Epithelium, Metaplasia		2	1	1	1		2	2	2		7	1.6
Respiratory Epithelium, Hyperplasia	2	2	2	2	2	1	1	1	1	3	10	1.7
Respiratory Epithelium, Metaplasia, Squamous	2	2	2	2	2	2	3	2	3	2	10	2.2
Trachea	+	+	+	+	+	+	+	+	+	+	10	

SPECIAL SENSES SYSTEM

NONE

URINARY SYSTEM

Kidney	+	+	+	+	+	+	+	+	+	+	10	
Mineralization	1	1		1	1	1	2	1		1	8	1.1
Nephropathy	1	1	1	1	1	1	1	1	1	1	10	1.0
Pigmentation	1	1	1	1	1	1	1	1	1	1	10	1.0
Papilla, Necrosis	1	2	2	2			1	1			6	1.5

* .. 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:

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Experiment Number: 20107 - 01

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: RATS/F 344/N

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: 11:43:16

First Dose M/F: 10/20/03 / 10/21/03

Lab: BAT

FISCHER 344 RATS FEMALE	DAY ON TEST										* TOTALS
	0	0	0	0	0	0	0	0	0	0	
500 MG/KG	ANIMAL ID										* TOTALS
	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	

ALIMENTARY SYSTEM

Esophagus	+	+	+	+	+	+	+	+	+	+	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
Clear Cell Focus		X						X			2
Fatty Change, Focal				2							1 2.0
Hematopoietic Cell Proliferation	1	1	1	1	1	1	1	1		1	9 1.0
Hepatodiaphragmatic Nodule			X								1
Inflammation, Chronic Active		1	2		1			1		1	5 1.2
Pigmentation	2	2	2	2	2	2	2	2	2	1	10 1.9
Bile Duct, Hyperplasia			2								1 2.0
Centrilobular, Hepatocyte, Necrosis									2		1 2.0
Hepatocyte, Hypertrophy	3	3	3	2	3	3	3	3	2	2	10 2.7
Hepatocyte, Necrosis	1	1				1	2	1		1	6 1.2
Pancreas	+	+	+	+	+	+	+	+	+	+	10
Infiltration Cellular, Lymphocyte	1	1			1				2		4 1.3

* .. 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 - 01

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: RATS/F 344/N

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: 11:43:16

First Dose M/F: 10/20/03 / 10/21/03

Lab: BAT

DAY ON TEST	0	0	0	0	0	0	0	0	0	0	ANIMAL ID		
	9	9	9	9	9	9	9	9	9	9			
FISCHER 344 RATS FEMALE	3	3	3	3	3	3	3	3	3	3			
500 MG/KG	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
Salivary Glands	+	+	+	+	+	+	+	+	+	+			10
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+			10
Inflammation								3		1		2	2.0
Mineralization		1										1	1.0
Ulcer							2					1	2.0
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+			10
Inflammation, Granulomatous										3		1	3.0
CARDIOVASCULAR SYSTEM													
Blood Vessel	+	+	+	+	+	+	+	+	+	+			10
Heart	+	+	+	+	+	+	+	+	+	+			10
Cardiomyopathy	1		1		1	1	1	1				6	1.0
ENDOCRINE SYSTEM													
Adrenal Cortex	+	+	+	+	+	+	+	+	+	+			10
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+			10
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+			10
Parathyroid Gland	+	M	+	+	+	+	+	+	+	+			9
Pituitary Gland	+	+	+	+	+	+	+	+	+	+			10
Thyroid Gland	+	+	+	+	+	+	+	+	+	+			10

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First Dose M/F: 10/20/03 / 10/21/03

Lab: BAT

FISCHER 344 RATS FEMALE	DAY ON TEST										
	0	0	0	0	0	0	0	0	0	0	0
500 MG/KG	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	
	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
	Infiltration Cellular, Lymphocyte										2
											1 2.0

GENERAL BODY SYSTEM

NONE

GENITAL SYSTEM

Clitoral Gland Inflammation	+	+	+	+	+	+	+	+	+	+	10	1 3.0
Ovary	+	+	+	+	+	+	+	+	+	+	10	
Uterus	+	+	+	+	+	+	+	+	+	+	10	

HEMATOPOIETIC SYSTEM

Bone Marrow Hyperplasia	+	+	+	+	+	+	+	+	+	+	10	10 3.0
Lymph Node, Mandibular	M	M	M	M	M	M	M	M	M	M	0	
Lymph Node, Mesenteric Atrophy	+	+	+	+	+	+	+	+	+	+	10	6 2.2
Spleen Congestion	+	+	+	+	+	+	+	+	+	+	10	10 3.0
Hematopoietic Cell Proliferation	3	3	3	3	3	3	3	3	3	3	10	2.0
Pigmentation	2	2	2	2	2	2	2	2	2	2	10	2.0
Capsule, Fibrosis	2	2	2	2	2	2	2	2	2	2	10	2.7
Lymphoid Follicle, Atrophy	3	2	2	2	2	3	3	3	3	4	10	1.3
	2	1	1	2	1	1	2	1	1	1		

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N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

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First Dose M/F: 10/20/03 / 10/21/03

Lab: BAT

DAY ON TEST	0	0	0	0	0	0	0	0	0	0	ANIMAL ID		
	9	9	9	9	9	9	9	9	9	9			
FISCHER 344 RATS FEMALE	3	3	3	3	3	3	3	3	3	3	500 MG/KG		
	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		
Mesothelium, Hypertrophy	1	1	1	1		1	2	1	1	1		9	1.1
Thymus	+	+	+	+	+	+	+	+	+	+		10	
INTEGUMENTARY SYSTEM													
Mammary Gland	+	+	+	+	+	+	+	+	+	+		10	
Skin	+	+	+	+	+	+	+	+	+	+		10	
MUSCULOSKELETAL SYSTEM													
Bone	+	+	+	+	+	+	+	+	+	+		10	
NERVOUS SYSTEM													
Brain	+	+	+	+	+	+	+	+	+	+		10	
RESPIRATORY SYSTEM													
Lung	+	+	+	+	+	+	+	+	+	+		10	
Inflammation, Chronic Active		1	1	1		1	1	1	1	1		8	1.0
Nose	+	+	+	+	+	+	+	+	+	+		10	
Glands, Hyperplasia	2	1	2	2	2	2	2	1	2	4		10	2.0
Olfactory Epithelium, Degeneration	3	3	3	3	3	3	3	3	3	3		10	3.0
Olfactory Epithelium, Metaplasia	3	3	3	3	2	3	3	3	3	3		10	2.9
Respiratory Epithelium, Hyperplasia	2	1	2	1	2	2	2	1	2	2		10	1.7
Respiratory Epithelium, Metaplasia, Squamous	3	3	3	3	2	2	3	2	3	2		10	2.6
Trachea	+	+	+	+	+	+	+	+	+	+		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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2) Mild 4) Marked

Experiment Number: 20107 - 01

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: RATS/F 344/N

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: 11:43:16

First Dose M/F: 10/20/03 / 10/21/03

Lab: BAT

FISCHER 344 RATS FEMALE	DAY ON TEST										
	0	0	0	0	0	0	0	0	0	0	
500 MG/KG	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	
	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											

SPECIAL SENSES SYSTEM

Eye	+	+	+	+	+	+	+	+	+	+	10	
Harderian Gland	+	+	+	+	+	+	+	+	+	+	10	
Inflammation					2		2					2 2.0
Pigmentation	1	1	1	1		2	2		2	1		8 1.4

URINARY SYSTEM

Kidney	+	+	+	+	+	+	+	+	+	+	10	
Mineralization	1		1	1	1	1	1	1	2			8 1.1
Nephropathy	1	1	1	1	2	1	1	1	3	1		10 1.3
Pigmentation	3	2	1	1	2	1	1	2	2	1		10 1.6
Papilla, Necrosis								2	3			2 2.5
Renal Tubule, Dilatation									3			1 3.0
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	10	
Inflammation						1						1 1.0

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N,N-Dimethyl-p-toluidine

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Date Report Requested: 09/07/2016

Time Report Requested: 11:43:16

First Dose M/F: 10/20/03 / 10/21/03

Lab: BAT

FISCHER 344 RATS FEMALE 1000 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		
	2	2	2	2	3	3	2	2	3	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	

ALIMENTARY SYSTEM

Esophagus	+	+	+	+	+	+	+	+	+	+		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
Hematopoietic Cell Proliferation						1						1 1.0
Centrilobular, Fatty Change	1	2	1	1	1	1	1	1	1			9 1.1
Centrilobular, Hepatocyte, Necrosis	2	2		2		2		1	1	3		7 1.9
Hepatocyte, Hypertrophy	2	1	1	1	1	1	2	1	2	2		10 1.4
Hepatocyte, Necrosis					2		2					2 2.0
Pancreas	+	+	+	+	+	+	+	+	+	+		10
Infiltration Cellular, Lymphocyte						1						1 1.0
Salivary Glands	+	+	+	+	+	+	+	+	+	+		10
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+		10
Inflammation	2	3	2	2	2	2	1	3	3	3		10 2.3
Mineralization	2		1	1				2				4 1.5

* .. 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 - 01

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: RATS/F 344/N

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: 11:43:16

First Dose M/F: 10/20/03 / 10/21/03

Lab: BAT

FISCHER 344 RATS FEMALE 1000 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			
	2	2	2	2	3	3	2	2	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			
	1	1	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	0			
													* TOTALS	
Ulcer		2	2	1	2	3		3	2	2				8 2.1
Stomach, Glandular Inflammation	+	+	+	+	+	+	+	+	+	+				10
Ulcer							2							1 2.0
							2		2					2 2.0
CARDIOVASCULAR SYSTEM														
Blood Vessel	+	+	+	+	+	+	+	+	+	+				10
Heart Cardiomyopathy	+	+	+	+	+	+	+	+	+	+	1			10
		1					1							2 1.0
ENDOCRINE SYSTEM														
Adrenal Cortex Hemorrhage	+	+	+	+	+	+	+	+	+	+	3			10
														1 3.0
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+				10
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+				10
Parathyroid Gland	M	+	+	+	+	+	M	+	+	+				8
Pituitary Gland	+	+	+	+	+	+	+	+	+	+				10
Thyroid Gland	+	+	+	+	+	+	+	+	+	+				10
GENERAL BODY SYSTEM														
NONE														

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
 X .. Lesion present
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Time Report Requested: 11:43:16

First Dose M/F: 10/20/03 / 10/21/03

Lab: BAT

DAY ON TEST		0	0	0	0	0	0	0	0	0	0
FISCHER 344 RATS FEMALE	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0
	2	2	2	2	3	3	2	2	3	3	
	<hr/>										
	1000 MG/KG	0	0	0	0	0	0	0	0	0	0
ANIMAL ID	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										

GENITAL SYSTEM

Clitoral Gland	+	+	+	+	+	+	+	+	+	+	10
Ovary	+	+	+	+	+	+	+	+	+	+	10
Uterus	+	+	+	+	+	+	+	+	+	+	10

HEMATOPOIETIC SYSTEM

Bone Marrow	+	+	+	+	+	+	+	+	+	+	10
Hyperplasia	2	3	3	3	3	2	2	2	3	3	10 2.6
Lymph Node, Mandibular	M	M	M	M	M	M	M	M	M	M	0
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	10
Atrophy		2				2		2	3	2	5 2.2
Necrosis, Lymphoid	1										1 1.0
Spleen	+	+	+	+	+	+	+	+	+	+	10
Hematopoietic Cell Proliferation	1	1	1	1	1		1	1	1	1	9 1.0
Lymphoid Follicle, Atrophy	3	2	2	1	2	2	2	2	1	1	10 1.8
Mesothelium, Hypertrophy									1		1 1.0
Red Pulp, Atrophy	3	3	3	3	3	3	3	3	3	3	10 3.0
Thymus	+	+	+	+	+	+	+	+	+	+	10
Hemorrhage						2				1	2 1.5
Thymocyte, Necrosis	2	3	2	3	4	4	2	3	4	4	10 3.1

INTEGUMENTARY 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 - 01

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: RATS/F 344/N

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: 11:43:16

First Dose M/F: 10/20/03 / 10/21/03

Lab: BAT

FISCHER 344 RATS FEMALE 1000 MG/KG	DAY ON TEST										* TOTALS
	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	
	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	
Mammary Gland	+	+	+	+	+	+	+	+	+	+	
Skin	+	+	+	+	+	+	+	+	+	+	
MUSCULOSKELETAL SYSTEM											
Bone	+	+	+	+	+	+	+	+	+	+	
NERVOUS SYSTEM											
Brain	+	+	+	+	+	+	+	+	+	+	
RESPIRATORY SYSTEM											
Lung	+	+	+	+	+	+	+	+	+	+	
Hemorrhage						2					
Inflammation, Chronic Active				1				1			
Alveolus, Infiltration Cellular, Histiocyte				1	1						
Nose	+	+	+	+	+	+	+	+	+	+	
Olfactory Epithelium, Degeneration	4	4	4	4	4	4	4	4	4		
Respiratory Epithelium, Hyperplasia								1			
Respiratory Epithelium, Metaplasia, Squamous	1		1	1	1		1	2			
Trachea	+	+	+	+	+	+	+	+	+	+	
SPECIAL SENSES SYSTEM											
Eye	+	+	+	+	+	+	+	+	+	+	
Harderian Gland	+	+	+	+	+	+	+	+	+	+	

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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			
FISCHER 344 RATS FEMALE	0	0	0	0	0	0	0	0	0	0			
1000 MG/KG	2	2	2	2	3	3	2	2	3	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		
Pigmentation	3	2	2	3	3	2	2	2	2	2			9 2.3

URINARY SYSTEM

Kidney	+	+	+	+	+	+	+	+	+	+			10
Nephropathy							1						1 1.0
Papilla, Necrosis				2									1 2.0
Renal Tubule, Dilatation	2	1	1	1	1	1	2	1	1	2			10 1.3
Urinary Bladder	+	+	+	+	+	+	+	+	+	+			10

*** END OF REPORT ***

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