

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

**P03: INCIDENCE RATES OF NON-NEOPLASTIC LESIONS BY ANATOMIC SITE(a)**

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

Experiment Number: 20107 - 01

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: RATS/F 344/N

## P03: INCIDENCE RATES OF NON-NEOPLASTIC LESIONS BY ANATOMIC SITE(a)

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	0 MG/KG	62.5 MG/KG	125 MG/KG	250 MG/KG	500 MG/KG	1000 MG/KG
-----------------------	---------	------------	-----------	-----------	-----------	------------

**Disposition Summary**

<b>Animals Initially In Study</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>
<b>Early Deaths</b>						
<b>Moribund Sacrifice</b>					<b>1</b>	<b>1</b>
<b>Natural Death</b>						<b>9</b>
<b>Survivors</b>						
<b>Terminal Sacrifice</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>9</b>	
<b>Animals Examined Microscopically</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>

## ALIMENTARY SYSTEM

Esophagus	(10)	(0)	(0)	(0)	(10)	(10)
Intestine Large, Cecum	(10)	(0)	(0)	(0)	(10)	(10)
Intestine Large, Colon	(10)	(0)	(0)	(0)	(10)	(10)
Intestine Large, Rectum	(10)	(0)	(0)	(0)	(10)	(10)
Intestine Small, Duodenum	(10)	(0)	(0)	(0)	(10)	(10)
Intestine Small, Ileum	(10)	(0)	(0)	(0)	(10)	(10)
Intestine Small, Jejunum	(10)	(0)	(0)	(0)	(10)	(10)
Hyperplasia, Lymphoid	1 (10%)					
Liver	(10)	(10)	(10)	(10)	(10)	(10)
Basophilic Focus					2 (20%)	
Fatty Change, Focal	1 (10%)					
Hematopoietic Cell Proliferation	4 (40%)	8 (80%)	10 (100%)	8 (80%)	7 (70%)	
Hepatodiaphragmatic Nodule			1 (10%)	1 (10%)	1 (10%)	
Inflammation, Chronic Active	7 (70%)	10 (100%)	9 (90%)	6 (60%)	7 (70%)	2 (20%)
Pigmentation		4 (40%)	7 (70%)	9 (90%)	9 (90%)	
Bile Duct, Hyperplasia				3 (30%)	1 (10%)	
Centrilobular, Fatty Change					1 (10%)	2 (20%)
Centrilobular, Hepatocyte, Necrosis					1 (10%)	10 (100%)
Hepatocyte, Hypertrophy		2 (20%)	9 (90%)	10 (100%)	10 (100%)	10 (100%)
Hepatocyte, Necrosis	3 (30%)	3 (30%)	5 (50%)	3 (30%)	5 (50%)	
Pancreas	(10)	(0)	(0)	(0)	(10)	(10)
Infiltration Cellular, Lymphocyte	9 (90%)				6 (60%)	
Salivary Glands	(10)	(0)	(0)	(0)	(10)	(10)
Fibrosis					1 (10%)	

a - Number of animals examined microscopically at site and number of animals with lesion

Experiment Number: 20107 - 01

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: RATS/F 344/N

P03: INCIDENCE RATES OF NON-NEOPLASTIC LESIONS BY ANATOMIC SITE(a)

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	0 MG/KG	62.5 MG/KG	125 MG/KG	250 MG/KG	500 MG/KG	1000 MG/KG
Stomach, Forestomach	(10)	(10)	(10)	(10)	(10)	(10)
Hemorrhage						1 (10%)
Hyperplasia, Squamous				2 (20%)	2 (20%)	
Inflammation			1 (10%)		5 (50%)	9 (90%)
Mineralization					1 (10%)	1 (10%)
Ulcer			1 (10%)		1 (10%)	7 (70%)
Stomach, Glandular	(10)	(0)	(0)	(0)	(10)	(10)
Inflammation					1 (10%)	
Ulcer						1 (10%)
<b>CARDIOVASCULAR SYSTEM</b>						
Blood Vessel	(10)	(0)	(0)	(0)	(10)	(10)
Heart	(10)	(0)	(0)	(0)	(10)	(10)
Cardiomyopathy	10 (100%)				6 (60%)	1 (10%)
<b>ENDOCRINE SYSTEM</b>						
Adrenal Cortex	(10)	(0)	(0)	(0)	(10)	(10)
Mineralization					1 (10%)	
Vacuolization Cytoplasmic	10 (100%)				1 (10%)	
Adrenal Medulla	(10)	(0)	(0)	(0)	(10)	(10)
Islets, Pancreatic	(10)	(0)	(0)	(0)	(10)	(10)
Parathyroid Gland	(9)	(0)	(0)	(0)	(8)	(7)
Pituitary Gland	(10)	(0)	(0)	(0)	(10)	(9)
Thyroid Gland	(10)	(0)	(0)	(0)	(10)	(10)
<b>GENERAL BODY SYSTEM</b>						
None						
<b>GENITAL SYSTEM</b>						

a - Number of animals examined microscopically at site and number of animals with lesion

Experiment Number: 20107 - 01

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: RATS/F 344/N

## P03: INCIDENCE RATES OF NON-NEOPLASTIC LESIONS BY ANATOMIC SITE(a)

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	0 MG/KG	62.5 MG/KG	125 MG/KG	250 MG/KG	500 MG/KG	1000 MG/KG
Epididymis	(10)	(0)	(0)	(0)	(10)	(10)
Inflammation	2 (20%)					
Preputial Gland	(10)	(0)	(0)	(0)	(10)	(10)
Duct, Ectasia	1 (10%)					
Prostate	(10)	(0)	(0)	(0)	(10)	(10)
Inflammation, Chronic Active					1 (10%)	
Epithelium, Hyperplasia	2 (20%)				2 (20%)	
Seminal Vesicle	(10)	(0)	(0)	(0)	(10)	(8)
Testes	(10)	(0)	(0)	(0)	(10)	(10)
Atrophy					1 (10%)	
<b>HEMATOPOIETIC SYSTEM</b>						
Bone Marrow	(10)	(10)	(10)	(10)	(10)	(10)
Hyperplasia		10 (100%)	10 (100%)	10 (100%)	10 (100%)	10 (100%)
Lymph Node	(1)	(0)	(0)	(0)	(1)	(0)
Mediastinal, Hyperplasia, Lymphoid	1 (100%)				1 (100%)	
Lymph Node, Mesenteric	(10)	(10)	(10)	(10)	(10)	(10)
Atrophy					3 (30%)	6 (60%)
Necrosis, Lymphoid						2 (20%)
Spleen	(10)	(10)	(10)	(10)	(10)	(10)
Congestion		10 (100%)	10 (100%)	10 (100%)	9 (90%)	
Hematopoietic Cell Proliferation	9 (90%)	10 (100%)	10 (100%)	10 (100%)	9 (90%)	9 (90%)
Pigmentation	10 (100%)	10 (100%)	10 (100%)	10 (100%)	9 (90%)	
Capsule, Fibrosis	1 (10%)	5 (50%)	10 (100%)	10 (100%)	9 (90%)	
Lymphoid Follicle, Atrophy				8 (80%)	10 (100%)	10 (100%)
Mesothelium, Hypertrophy	3 (30%)	5 (50%)	8 (80%)	10 (100%)	9 (90%)	
Red Pulp, Atrophy					1 (10%)	10 (100%)
Thymus	(10)	(10)	(10)	(10)	(10)	(10)
Hemorrhage	1 (10%)					7 (70%)
Thymocyte, Necrosis					1 (10%)	10 (100%)
<b>INTEGUMENTARY SYSTEM</b>						
Mammary Gland	(10)	(0)	(0)	(0)	(5)	(10)

a - Number of animals examined microscopically at site and number of animals with lesion

Experiment Number: 20107 - 01

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: RATS/F 344/N

## P03: INCIDENCE RATES OF NON-NEOPLASTIC LESIONS BY ANATOMIC SITE(a)

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	0 MG/KG	62.5 MG/KG	125 MG/KG	250 MG/KG	500 MG/KG	1000 MG/KG
Skin	(10)	(0)	(0)	(0)	(10)	(10)
<b>MUSCULOSKELETAL SYSTEM</b>						
Bone	(10)	(0)	(0)	(0)	(10)	(10)
<b>NERVOUS SYSTEM</b>						
Brain	(10)	(0)	(0)	(0)	(10)	(10)
<b>RESPIRATORY SYSTEM</b>						
Lung	(10)	(10)	(10)	(10)	(10)	(10)
Hemorrhage		1 (10%)				
Inflammation, Chronic Active	10 (100%)	8 (80%)	9 (90%)	10 (100%)	10 (100%)	10 (100%)
Thrombosis						2 (20%)
Alveolus, Infiltration Cellular, Histiocyte	1 (10%)				1 (10%)	
Alveolus, Metaplasia, Squamous, Focal			1 (10%)			
Nose	(10)	(10)	(10)	(10)	(10)	(10)
Glands, Hyperplasia			10 (100%)	10 (100%)	9 (90%)	
Olfactory Epithelium, Degeneration		5 (50%)	10 (100%)	10 (100%)	10 (100%)	10 (100%)
Olfactory Epithelium, Metaplasia				9 (90%)	9 (90%)	
Respiratory Epithelium, Hyperplasia	1 (10%)	2 (20%)	7 (70%)	10 (100%)	9 (90%)	7 (70%)
Respiratory Epithelium, Metaplasia, Squamous		8 (80%)	10 (100%)	10 (100%)	9 (90%)	1 (10%)
Trachea	(10)	(10)	(10)	(10)	(10)	(10)
Inflammation, Chronic Active	2 (20%)		2 (20%)	3 (30%)	3 (30%)	
<b>SPECIAL SENSES SYSTEM</b>						
Eye	(10)	(0)	(0)	(0)	(10)	(10)
Cataract					1 (10%)	
Anterior Chamber, Inflammation, Suppurative					1 (10%)	
Ciliary Body, Inflammation, Suppurative					1 (10%)	

a - Number of animals examined microscopically at site and number of animals with lesion

Experiment Number: 20107 - 01

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: RATS/F 344/N

P03: INCIDENCE RATES OF NON-NEOPLASTIC LESIONS BY ANATOMIC SITE(a)

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	0 MG/KG	62.5 MG/KG	125 MG/KG	250 MG/KG	500 MG/KG	1000 MG/KG
Cornea, Ulcer					1 (10%)	
Retina, Degeneration					1 (10%)	
Harderian Gland	(10)	(0)	(0)	(0)	(10)	(10)
Hemorrhage					1 (10%)	
Infiltration Cellular, Lymphocyte					1 (10%)	
Inflammation, Chronic Active					1 (10%)	
Pigmentation	2 (20%)				1 (10%)	9 (90%)
Epithelium, Hyperplasia					1 (10%)	

---

URINARY SYSTEM

Kidney	(10)	(10)	(10)	(10)	(10)	(10)
Hemorrhage						2 (20%)
Mineralization	1 (10%)	4 (40%)	10 (100%)	10 (100%)	8 (80%)	
Nephropathy	9 (90%)	10 (100%)	10 (100%)	10 (100%)	9 (90%)	3 (30%)
Pigmentation		10 (100%)	10 (100%)	10 (100%)	9 (90%)	
Papilla, Necrosis			7 (70%)	7 (70%)	9 (90%)	2 (20%)
Renal Tubule, Dilatation			2 (20%)	1 (10%)	3 (30%)	3 (30%)
Urinary Bladder	(10)	(0)	(0)	(0)	(10)	(9)
Hemorrhage						2 (22%)

---

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

a - Number of animals examined microscopically at site and number of animals with lesion

Experiment Number: 20107 - 01

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: RATS/F 344/N

## P03: INCIDENCE RATES OF NON-NEOPLASTIC LESIONS BY ANATOMIC SITE(a)

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	0 MG/KG	62.5 MG/KG	125 MG/KG	250 MG/KG	500 MG/KG	1000 MG/KG
-------------------------	---------	------------	-----------	-----------	-----------	------------

**Disposition Summary**

<b>Animals Initially In Study</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>
<b>Early Deaths</b>						
<b>Moribund Sacrifice</b>						<b>10</b>
<b>Survivors</b>						
<b>Terminal Sacrifice</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	
<b>Animals Examined Microscopically</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>

## ALIMENTARY SYSTEM

Esophagus	(10)	(0)	(0)	(0)	(10)	(10)
Muscularis, Inflammation	1 (10%)					
Intestine Large, Cecum	(10)	(0)	(0)	(0)	(10)	(10)
Intestine Large, Colon	(10)	(0)	(0)	(0)	(10)	(10)
Intestine Large, Rectum	(10)	(0)	(0)	(0)	(10)	(10)
Intestine Small, Duodenum	(10)	(0)	(0)	(0)	(10)	(10)
Intestine Small, Ileum	(10)	(0)	(0)	(0)	(10)	(10)
Intestine Small, Jejunum	(10)	(0)	(0)	(0)	(10)	(10)
Liver	(10)	(10)	(10)	(10)	(10)	(10)
Angiectasis				1 (10%)		
Clear Cell Focus					2 (20%)	
Fatty Change, Focal					1 (10%)	
Hematopoietic Cell Proliferation	5 (50%)	6 (60%)	8 (80%)	6 (60%)	9 (90%)	1 (10%)
Hepatodiaphragmatic Nodule				1 (10%)	1 (10%)	
Inflammation, Chronic Active	8 (80%)	10 (100%)	10 (100%)	4 (40%)	5 (50%)	
Pigmentation		10 (100%)	10 (100%)	10 (100%)	10 (100%)	
Bile Duct, Hyperplasia					1 (10%)	
Centrilobular, Fatty Change						9 (90%)
Centrilobular, Hepatocyte, Necrosis					1 (10%)	7 (70%)
Hepatocyte, Hypertrophy		1 (10%)	7 (70%)	9 (90%)	10 (100%)	10 (100%)
Hepatocyte, Necrosis	1 (10%)	6 (60%)	5 (50%)	7 (70%)	6 (60%)	2 (20%)
Pancreas	(10)	(0)	(0)	(0)	(10)	(10)
Infiltration Cellular, Lymphocyte	7 (70%)				4 (40%)	1 (10%)
Salivary Glands	(10)	(0)	(0)	(0)	(10)	(10)
Stomach, Forestomach	(10)	(10)	(10)	(10)	(10)	(10)

a - Number of animals examined microscopically at site and number of animals with lesion

Experiment Number: 20107 - 01

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: RATS/F 344/N

P03: INCIDENCE RATES OF NON-NEOPLASTIC LESIONS BY ANATOMIC SITE(a)

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	0 MG/KG	62.5 MG/KG	125 MG/KG	250 MG/KG	500 MG/KG	1000 MG/KG
Erosion				1 (10%)		
Inflammation				3 (30%)	2 (20%)	10 (100%)
Mineralization					1 (10%)	4 (40%)
Ulcer					1 (10%)	8 (80%)
Stomach, Glandular	(10)	(10)	(10)	(10)	(10)	(10)
Inflammation						1 (10%)
Inflammation, Granulomatous					1 (10%)	
Ulcer						2 (20%)
<b>CARDIOVASCULAR SYSTEM</b>						
Blood Vessel	(10)	(0)	(0)	(0)	(10)	(10)
Heart	(10)	(10)	(10)	(10)	(10)	(10)
Cardiomyopathy	7 (70%)	4 (40%)	7 (70%)	7 (70%)	6 (60%)	2 (20%)
Inflammation	1 (10%)					
<b>ENDOCRINE SYSTEM</b>						
Adrenal Cortex	(10)	(0)	(0)	(0)	(10)	(10)
Hemorrhage						1 (10%)
Adrenal Medulla	(10)	(0)	(0)	(0)	(10)	(10)
Islets, Pancreatic	(10)	(0)	(0)	(0)	(10)	(10)
Parathyroid Gland	(9)	(0)	(0)	(0)	(9)	(8)
Pituitary Gland	(10)	(0)	(0)	(0)	(10)	(10)
Thyroid Gland	(10)	(0)	(0)	(0)	(10)	(10)
Infiltration Cellular, Lymphocyte					1 (10%)	
<b>GENERAL BODY SYSTEM</b>						
None						
<b>GENITAL SYSTEM</b>						

a - Number of animals examined microscopically at site and number of animals with lesion



Experiment Number: 20107 - 01

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: RATS/F 344/N

## P03: INCIDENCE RATES OF NON-NEOPLASTIC LESIONS BY ANATOMIC SITE(a)

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	0 MG/KG	62.5 MG/KG	125 MG/KG	250 MG/KG	500 MG/KG	1000 MG/KG
Clitoral Gland	(10)	(0)	(0)	(0)	(10)	(10)
Inflammation	2 (20%)				1 (10%)	
Ovary	(10)	(0)	(0)	(0)	(10)	(10)
Uterus	(10)	(0)	(0)	(0)	(10)	(10)
Endometrium, Hyperplasia, Cystic	1 (10%)					
<b>HEMATOPOIETIC SYSTEM</b>						
Bone Marrow	(10)	(10)	(10)	(10)	(10)	(10)
Hyperplasia		10 (100%)	10 (100%)	10 (100%)	10 (100%)	10 (100%)
Lymph Node, Mesenteric	(10)	(10)	(10)	(10)	(10)	(10)
Atrophy				1 (10%)	6 (60%)	5 (50%)
Necrosis, Lymphoid						1 (10%)
Spleen	(10)	(10)	(10)	(10)	(10)	(10)
Congestion		2 (20%)	10 (100%)	10 (100%)	10 (100%)	
Hematopoietic Cell Proliferation	10 (100%)	10 (100%)	10 (100%)	10 (100%)	10 (100%)	9 (90%)
Pigmentation	10 (100%)	10 (100%)	10 (100%)	10 (100%)	10 (100%)	
Capsule, Fibrosis		3 (30%)	7 (70%)	10 (100%)	10 (100%)	
Lymphoid Follicle, Atrophy					10 (100%)	10 (100%)
Mesothelium, Hypertrophy		1 (10%)	2 (20%)	9 (90%)	9 (90%)	1 (10%)
Red Pulp, Atrophy						10 (100%)
Thymus	(10)	(10)	(10)	(10)	(10)	(10)
Hemorrhage						2 (20%)
Thymocyte, Necrosis						10 (100%)
<b>INTEGUMENTARY SYSTEM</b>						
Mammary Gland	(10)	(0)	(0)	(0)	(10)	(10)
Skin	(10)	(0)	(0)	(0)	(10)	(10)
<b>MUSCULOSKELETAL SYSTEM</b>						
Bone	(10)	(0)	(0)	(0)	(10)	(10)

a - Number of animals examined microscopically at site and number of animals with lesion

Experiment Number: 20107 - 01

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: RATS/F 344/N

## P03: INCIDENCE RATES OF NON-NEOPLASTIC LESIONS BY ANATOMIC SITE(a)

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	0 MG/KG	62.5 MG/KG	125 MG/KG	250 MG/KG	500 MG/KG	1000 MG/KG
<b>NERVOUS SYSTEM</b>						
Brain	(10)	(0)	(0)	(0)	(10)	(10)
<b>RESPIRATORY SYSTEM</b>						
Lung	(10)	(10)	(10)	(10)	(10)	(10)
Hemorrhage						1 (10%)
Inflammation, Chronic Active	8 (80%)	5 (50%)	8 (80%)	8 (80%)	8 (80%)	2 (20%)
Alveolus, Infiltration Cellular, Histiocyte						2 (20%)
Nose	(10)	(10)	(10)	(10)	(10)	(10)
Glands, Hyperplasia		3 (30%)	9 (90%)	10 (100%)	10 (100%)	
Olfactory Epithelium, Degeneration		7 (70%)	10 (100%)	10 (100%)	10 (100%)	10 (100%)
Olfactory Epithelium, Metaplasia				7 (70%)	10 (100%)	
Respiratory Epithelium, Hyperplasia		1 (10%)	7 (70%)	10 (100%)	10 (100%)	1 (10%)
Respiratory Epithelium, Metaplasia, Squamous			6 (60%)	10 (100%)	10 (100%)	7 (70%)
Trachea	(10)	(10)	(10)	(10)	(10)	(10)
<b>SPECIAL SENSES SYSTEM</b>						
Eye	(10)	(0)	(0)	(0)	(10)	(10)
Ciliary Body, Inflammation	1 (10%)					
Cornea, Inflammation	1 (10%)					
Retina, Atrophy	1 (10%)					
Retina, Degeneration	1 (10%)					
Harderian Gland	(10)	(0)	(0)	(0)	(10)	(10)
Inflammation	3 (30%)				2 (20%)	
Mineralization	1 (10%)					
Pigmentation	10 (100%)				8 (80%)	9 (90%)
Lacrimal Gland	(1)	(0)	(0)	(0)	(0)	(0)
<b>URINARY SYSTEM</b>						
Kidney	(10)	(10)	(10)	(10)	(10)	(10)

a - Number of animals examined microscopically at site and number of animals with lesion

Experiment Number: 20107 - 01

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: RATS/F 344/N

**P03: INCIDENCE RATES OF NON-NEOPLASTIC LESIONS BY ANATOMIC SITE(a)**

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	0 MG/KG	62.5 MG/KG	125 MG/KG	250 MG/KG	500 MG/KG	1000 MG/KG
Mineralization	9 (90%)	6 (60%)	6 (60%)	8 (80%)	8 (80%)	
Nephropathy	2 (20%)	2 (20%)	9 (90%)	10 (100%)	10 (100%)	1 (10%)
Pigmentation		10 (100%)	10 (100%)	10 (100%)	10 (100%)	
Papilla, Necrosis				6 (60%)	2 (20%)	1 (10%)
Renal Tubule, Dilatation					1 (10%)	10 (100%)
Urinary Bladder	(10)	(0)	(0)	(0)	(10)	(10)
Inflammation	1 (10%)				1 (10%)	

---

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

a - Number of animals examined microscopically at site and number of animals with lesion