

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

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: 14:11:19
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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B6C3F1 MICE MALE	0 MG/KG	15 MG/KG	30 MG/KG	60 MG/KG	125 MG/KG	250 MG/KG
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Disposition Summary

Animals Initially In Study	10	10	10	10	10	10
Early Deaths						
Moribund Sacrifice					1	
Natural Death					2	9
Survivors						
Terminal Sacrifice	10	10	10	10	7	1
Animals Examined Microscopically	10	10	10	10	10	10

ALIMENTARY SYSTEM

Esophagus	(10)	(0)	(0)	(0)	(10)	(10)
Epithelium, Degeneration					1 (10%)	
Gallbladder	(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)
Liver	(10)	(10)	(10)	(10)	(10)	(10)
Hematopoietic Cell Proliferation			1 (10%)	1 (10%)		
Inflammation, Chronic Active	9 (90%)	10 (100%)	10 (100%)	10 (100%)	7 (70%)	1 (10%)
Tension Lipidosis						1 (10%)
Hepatocyte, Fatty Change						8 (80%)
Hepatocyte, Necrosis						4 (40%)
Hepatocyte, Vacuolization Cytoplasmic	9 (90%)	10 (100%)	9 (90%)	10 (100%)	7 (70%)	1 (10%)
Mesentery	(0)	(0)	(0)	(0)	(1)	(0)
Artery, Fat, Thrombosis					1 (100%)	
Fat, Inflammation, Chronic Active					1 (100%)	
Fat, Necrosis					1 (100%)	
Pancreas	(10)	(0)	(0)	(0)	(10)	(10)
Salivary Glands	(10)	(0)	(0)	(0)	(10)	(10)
Stomach, Forestomach	(10)	(0)	(0)	(0)	(10)	(10)
Stomach, Glandular	(10)	(0)	(0)	(0)	(10)	(10)

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

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Inflammation, Chronic Active Tooth Malformation	1 (10%) (1) 1 (100%)	(0)	(0)	(0)	(0)	(0)
CARDIOVASCULAR SYSTEM						
Blood Vessel Heart Mineralization	(10) (10)	(0) (0)	(0) (0)	(0) (0)	(10) (10) 1 (10%)	(10) (10) 2 (20%)
ENDOCRINE SYSTEM						
Adrenal Cortex Accessory Adrenal Cortical Nodule Subcapsular, Hyperplasia Adrenal Medulla Islets, Pancreatic Parathyroid Gland Pituitary Gland Thyroid Gland	(10) 2 (20%) (10) (10) (10) (10) (10)	(0) (0) (0) (0) (0) (0)	(0) (0) (0) (0) (0) (0)	(0) (0) (0) (0) (0) (0)	(10) 1 (10%) 2 (20%) (10) (10) (7) (10) (10)	(9) 1 (11%) (9) (10) (9) (9) (10)
GENERAL BODY SYSTEM						
None						
GENITAL SYSTEM						
Coagulating Gland Inflammation, Chronic Active Epididymis Inflammation, Chronic Active Necrosis Preputial Gland	(0) (10) (10)	(0) (0) (0)	(0) (0) (0)	(0) (0) (0)	(1) 1 (100%) (10) 1 (10%) 1 (10%) (10)	(0) (10) (10)

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Inflammation, Chronic Active Necrosis					1 (10%) 1 (10%)	
Prostate	(10)	(0)	(0)	(0)	(10)	(10)
Inflammation, Chronic Active Necrosis					1 (10%) 1 (10%)	
Seminal Vesicle	(10)	(0)	(0)	(0)	(10)	(10)
Inflammation, Chronic Active					1 (10%)	
Testes	(10)	(0)	(0)	(0)	(10)	(10)
Germinal Epithelium, Degeneration					1 (10%)	
HEMATOPOIETIC SYSTEM						
Bone Marrow	(10)	(10)	(10)	(10)	(10)	(10)
Lymph Node	(0)	(0)	(0)	(0)	(0)	(2)
Bronchial, Atrophy						1 (50%)
Inguinal, Necrosis, Lymphoid						1 (50%)
Lymph Node, Mandibular	(10)	(10)	(10)	(10)	(10)	(9)
Atrophy					2 (20%)	2 (22%)
Necrosis, Lymphoid						5 (56%)
Lymph Node, Mesenteric	(10)	(10)	(10)	(10)	(10)	(9)
Atrophy					2 (20%)	2 (22%)
Necrosis, Lymphoid						5 (56%)
Spleen	(10)	(10)	(10)	(10)	(10)	(10)
Atrophy					3 (30%)	8 (80%)
Hematopoietic Cell Proliferation					1 (10%)	
Lymphoid Follicle, Necrosis						6 (60%)
Thymus	(10)	(10)	(10)	(10)	(10)	(10)
Atrophy					3 (30%)	3 (30%)
Thymocyte, Necrosis					8 (80%)	7 (70%)
INTEGUMENTARY SYSTEM						
Skin	(10)	(0)	(0)	(0)	(10)	(10)
Subcutaneous Tissue, Inflammation, Chronic Active					1 (10%)	

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Subcutaneous Tissue, Necrosis					1 (10%)	
MUSCULOSKELETAL SYSTEM						
Bone	(10)	(0)	(0)	(0)	(10)	(10)
NERVOUS SYSTEM						
Brain	(10)	(0)	(0)	(0)	(10)	(10)
RESPIRATORY SYSTEM						
Lung	(10)	(10)	(10)	(10)	(10)	(10)
Alveolus, Infiltration Cellular, Histiocyte					2 (20%)	
Bronchiole, Epithelium, Degeneration				1 (10%)	10 (100%)	8 (80%)
Bronchiole, Epithelium, Regeneration				1 (10%)	9 (90%)	3 (30%)
Bronchus, Epithelium, Regeneration					1 (10%)	
Peribronchiolar, Inflammation, Chronic Active					9 (90%)	6 (60%)
Nose	(10)	(10)	(10)	(10)	(10)	(10)
Foreign Body						1 (10%)
Inflammation, Chronic Active					1 (10%)	8 (80%)
Glands, Hyperplasia					7 (70%)	1 (10%)
Olfactory Epithelium, Degeneration					9 (90%)	2 (20%)
Olfactory Epithelium, Metaplasia					6 (60%)	1 (10%)
Olfactory Epithelium, Necrosis						1 (10%)
Respiratory Epithelium, Degeneration					1 (10%)	1 (10%)
Respiratory Epithelium, Necrosis						1 (10%)
Trachea	(10)	(10)	(10)	(10)	(10)	(10)
Inflammation, Chronic						1 (10%)
Epithelium, Degeneration					2 (20%)	
Epithelium, Hyperplasia					1 (10%)	
Epithelium, Necrosis					2 (20%)	8 (80%)

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B6C3F1 MICE MALE	0 MG/KG	15 MG/KG	30 MG/KG	60 MG/KG	125 MG/KG	250 MG/KG
<hr/>						
SPECIAL SENSES SYSTEM						
Eye	(10)	(0)	(0)	(0)	(10)	(10)
Harderian Gland	(10)	(0)	(0)	(0)	(10)	(10)
<hr/>						
URINARY SYSTEM						
Kidney	(10)	(10)	(10)	(10)	(10)	(10)
Inflammation, Chronic Active	1 (10%)			1 (10%)		1 (10%)
Mineralization	1 (10%)				1 (10%)	1 (10%)
Nephropathy	1 (10%)			1 (10%)	2 (20%)	
Urinary Bladder	(10)	(0)	(0)	(0)	(10)	(10)

*** END OF MALE ***

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B6C3F1 MICE FEMALE	0 MG/KG	15 MG/KG	30 MG/KG	60 MG/KG	125 MG/KG	250 MG/KG
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Disposition Summary

Animals Initially In Study	10	10	10	10	10	10
Early Deaths						
Moribund Sacrifice						1
Natural Death					2	9
Survivors						
Terminal Sacrifice	10	10	10	10	8	
Animals Examined Microscopically	10	10	10	10	10	10

ALIMENTARY SYSTEM

Esophagus	(10)	(0)	(0)	(0)	(10)	(10)
Gallbladder	(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)
Liver	(10)	(10)	(10)	(10)	(10)	(10)
Inflammation, Chronic Active	10 (100%)	10 (100%)	10 (100%)	10 (100%)	7 (70%)	1 (10%)
Tension Lipidosis						1 (10%)
Hepatocyte, Fatty Change						9 (90%)
Hepatocyte, Necrosis	3 (30%)	1 (10%)			1 (10%)	4 (40%)
Hepatocyte, Vacuolization Cytoplasmic	10 (100%)	10 (100%)	9 (90%)	9 (90%)	8 (80%)	
Pancreas	(10)	(0)	(0)	(0)	(10)	(10)
Salivary Glands	(10)	(0)	(0)	(0)	(10)	(10)
Stomach, Forestomach	(10)	(0)	(0)	(0)	(10)	(10)
Stomach, Glandular	(10)	(0)	(0)	(0)	(10)	(10)

CARDIOVASCULAR SYSTEM

Blood Vessel	(10)	(0)	(0)	(0)	(10)	(10)
Heart	(10)	(0)	(0)	(0)	(10)	(10)

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Mineralization						2 (20%)
ENDOCRINE SYSTEM						
Adrenal Cortex	(10)	(0)	(0)	(0)	(10)	(10)
Accessory Adrenal Cortical Nodule	1 (10%)					
Subcapsular, Hyperplasia	10 (100%)				8 (80%)	
Adrenal Medulla	(10)	(0)	(0)	(0)	(10)	(10)
Islets, Pancreatic	(10)	(0)	(0)	(0)	(10)	(10)
Parathyroid Gland	(9)	(0)	(0)	(0)	(7)	(6)
Pituitary Gland	(10)	(0)	(0)	(0)	(10)	(9)
Thyroid Gland	(10)	(0)	(0)	(0)	(10)	(10)
GENERAL BODY SYSTEM						
None						
GENITAL SYSTEM						
Clitoral Gland	(10)	(0)	(0)	(0)	(10)	(10)
Ovary	(10)	(0)	(0)	(0)	(10)	(10)
Cyst	1 (10%)					
Uterus	(10)	(0)	(0)	(0)	(10)	(10)
HEMATOPOIETIC SYSTEM						
Bone Marrow	(10)	(10)	(10)	(10)	(10)	(10)
Lymph Node	(0)	(0)	(0)	(0)	(0)	(3)
Inguinal, Necrosis, Lymphoid						2 (67%)
Renal, Necrosis, Lymphoid						1 (33%)
Lymph Node, Mandibular	(10)	(10)	(10)	(10)	(10)	(8)
Atrophy						3 (38%)
Necrosis, Lymphoid					3 (30%)	2 (25%)

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Lymph Node, Mesenteric Atrophy	(10)	(10)	(10)	(10)	(10)	(9) 5 (56%)
Necrosis, Lymphoid					2 (20%)	4 (44%)
Spleen	(10)	(10)	(10)	(10)	(10)	(10)
Atrophy					2 (20%)	7 (70%)
Hematopoietic Cell Proliferation				1 (10%)	1 (10%)	
Lymphoid Follicle, Necrosis					2 (20%)	6 (60%)
Thymus	(10)	(10)	(10)	(10)	(10)	(10)
Atrophy					2 (20%)	6 (60%)
Inflammation, Chronic Active	1 (10%)					
Thymocyte, Necrosis			1 (10%)		10 (100%)	8 (80%)
INTEGUMENTARY SYSTEM						
Mammary Gland	(10)	(0)	(0)	(0)	(10)	(10)
Skin	(10)	(0)	(0)	(0)	(10)	(10)
MUSCULOSKELETAL SYSTEM						
Bone	(10)	(0)	(0)	(0)	(10)	(10)
Skeletal Muscle	(0)	(0)	(0)	(0)	(0)	(1)
Inflammation, Chronic Active						1 (100%)
NERVOUS SYSTEM						
Brain	(10)	(0)	(0)	(0)	(10)	(10)
RESPIRATORY SYSTEM						
Lung	(10)	(10)	(10)	(10)	(10)	(10)
Alveolus, Infiltration Cellular, Histiocyte					7 (70%)	
Bronchiole, Epithelium, Degeneration					6 (60%)	9 (90%)
Bronchiole, Epithelium, Regeneration			1 (10%)	1 (10%)	7 (70%)	

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Bronchus, Epithelium, Degeneration Peribronchiolar, Inflammation, Chronic Active		1 (10%)	1 (10%)	1 (10%)	10 (100%)	1 (10%) 10 (100%)
Nose Inflammation, Chronic Active	(10)	(10)	(10)	(10)	(10) 1 (10%)	(10) 8 (80%)
Glands, Dilatation Glands, Hyperplasia	2 (20%)				7 (70%)	
Olfactory Epithelium, Degeneration Olfactory Epithelium, Metaplasia				5 (50%)	8 (80%) 4 (40%)	
Trachea Epithelium, Necrosis	(10)	(10)	(10)	(10)	(10) 2 (20%)	(10) 10 (100%)
SPECIAL SENSES SYSTEM						
Eye Cornea, Inflammation, Chronic Active	(10)	(0)	(0)	(0)	(10)	(10) 2 (20%)
Harderian Gland	(9)	(0)	(0)	(0)	(10)	(10)
URINARY SYSTEM						
Kidney Inflammation, Chronic Active	(10) 2 (20%)	(10)	(10)	(10)	(10)	(10)
Urinary Bladder	(10)	(0)	(0)	(0)	(10)	(9)

*** END OF REPORT ***

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