

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

P18: INCIDENCE RATES OF NON-NEOPLASTIC LESIONS BY ANATOMIC SITE (a) WITH AVERAGE SEVERITY GRADES[b]
Test Compound: N,N-Dimethyl-p-toluidine
CAS Number: 99-97-8
Date Report Requested: 10/21/2014
Time Report Requested: 09:11:48
First Dose M/F: NA / NA
Lab: BAT

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

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B6C3F1 Mouse MALE	0 MG/KG	15 MG/KG	30 MG/KG	60 MG/KG	125 MG/KG	250 MG/KG
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 [2.0]	
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 [2.0]	1 [2.0]		
Hepatocyte, Fatty Change						8 [2.3]
Hepatocyte, Necrosis						4 [2.0]
Hepatocyte, Vacuolization Cytoplasmic	9 [2.0]	10 [3.0]	9 [2.6]	10 [2.6]	7 [2.6]	1 [3.0]
Inflammation, Chronic Active	9 [1.0]	10 [1.1]	10 [1.2]	10 [1.1]	7 [1.3]	1 [1.0]
Tension Lipidosis						1 [2.0]
Mesentery	(0)	(0)	(0)	(0)	(1)	(0)
Artery, Fat, Thrombosis					1 [4.0]	
Fat, Inflammation, Chronic Active					1 [2.0]	

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

b - Average severity grade (1-minimal; 2-mild; 3-moderate; 4-marked)

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Lab: BAT

B6C3F1 Mouse MALE	0 MG/KG	15 MG/KG	30 MG/KG	60 MG/KG	125 MG/KG	250 MG/KG
Fat, Necrosis					1 [4.0]	
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)
Inflammation, Chronic Active	1 [1.0]					
Tooth	(1)	(0)	(0)	(0)	(0)	(0)
Malformation	1 [2.0]					
CARDIOVASCULAR SYSTEM						
Blood Vessel	(10)	(0)	(0)	(0)	(10)	(10)
Heart	(10)	(0)	(0)	(0)	(10)	(10)
Mineralization					1 [1.0]	2 [1.0]
ENDOCRINE SYSTEM						
Adrenal Cortex	(10)	(0)	(0)	(0)	(10)	(9)
Accessory Adrenal Cortical Nodule					1 [1.0]	1 [2.0]
Subcapsular, Hyperplasia	2 [1.0]				2 [1.0]	
Adrenal Medulla	(10)	(0)	(0)	(0)	(10)	(9)
Islets, Pancreatic	(10)	(0)	(0)	(0)	(10)	(10)
Parathyroid Gland	(10)	(0)	(0)	(0)	(7)	(9)
Pituitary Gland	(10)	(0)	(0)	(0)	(10)	(9)
Thyroid Gland	(10)	(0)	(0)	(0)	(10)	(10)
GENERAL BODY SYSTEM						
None						
GENITAL SYSTEM						
Coagulating Gland	(0)	(0)	(0)	(0)	(1)	(0)
Inflammation, Chronic Active					1 [2.0]	
Epididymis	(10)	(0)	(0)	(0)	(10)	(10)

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Lab: BAT

B6C3F1 Mouse MALE	0 MG/KG	15 MG/KG	30 MG/KG	60 MG/KG	125 MG/KG	250 MG/KG
Inflammation, Chronic Active					1 [3.0]	
Necrosis					1 [3.0]	
Preputial Gland	(10)	(0)	(0)	(0)	(10)	(10)
Inflammation, Chronic Active					1 [2.0]	
Necrosis					1 [4.0]	
Prostate	(10)	(0)	(0)	(0)	(10)	(10)
Inflammation, Chronic Active					1 [2.0]	
Necrosis					1 [4.0]	
Seminal Vesicle	(10)	(0)	(0)	(0)	(10)	(10)
Inflammation, Chronic Active					1 [2.0]	
Testes	(10)	(0)	(0)	(0)	(10)	(10)
Germinal Epith, Degeneration					1 [2.0]	
HEMATOPOIETIC SYSTEM						
Bone Marrow	(10)	(10)	(10)	(10)	(10)	(10)
Lymph Node	(0)	(0)	(0)	(0)	(0)	(2)
Bronchial, Atrophy						1 [2.0]
Inguinal, Necrosis, Lymphoid						1 [2.0]
Lymph Node, Mandibular	(10)	(10)	(10)	(10)	(10)	(9)
Atrophy						2 [2.0]
Necrosis, Lymphoid						5 [2.0]
Lymph Node, Mesenteric	(10)	(10)	(10)	(10)	(10)	(9)
Atrophy						2 [2.0]
Necrosis, Lymphoid						5 [1.8]
Spleen	(10)	(10)	(10)	(10)	(10)	(10)
Atrophy						3 [3.3]
Hematopoietic Cell Proliferation						8 [3.0]
Lymph Follic, Necrosis						6 [2.2]
Thymus	(10)	(10)	(10)	(10)	(10)	(10)
Atrophy						3 [3.3]

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Lab: BAT

B6C3F1 Mouse MALE	0 MG/KG	15 MG/KG	30 MG/KG	60 MG/KG	125 MG/KG	250 MG/KG
Thymocyte, Necrosis					8 [2.0]	7 [3.7]
INTEGUMENTARY SYSTEM						
Skin	(10)	(0)	(0)	(0)	(10)	(10)
Subcut Tiss, Inflammation, Chronic Active					1 [2.0]	
Subcut Tiss, Necrosis					1 [4.0]	
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 [2.0]	
Bronchiole, Epithelium, Degeneration				1 [2.0]	10 [2.8]	8 [3.0]
Bronchiole, Epithelium, Regeneration				1 [2.0]	9 [2.7]	3 [3.3]
Bronchus, Epithelium, Regeneration					1 [3.0]	
Peribronchiol, Inflammation, Chronic Active					9 [2.2]	6 [1.7]
Nose	(10)	(10)	(10)	(10)	(10)	(10)
Foreign Body						1
Glands, Hyperplasia					7 [2.0]	1 [2.0]
Inflammation, Chronic Active					1 [1.0]	8 [2.3]
Olfactory Epi, Degeneration					9 [2.9]	2 [2.0]
Olfactory Epi, Metaplasia					6 [2.3]	1 [4.0]
Olfactory Epi, Necrosis						1 [4.0]
Respirat Epih, Degeneration					1 [2.0]	1 [2.0]
Respirat Epih, Necrosis						1 [4.0]
Trachea	(10)	(10)	(10)	(10)	(10)	(10)
Epithelium, Degeneration					2 [1.0]	

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Lab: BAT

B6C3F1 Mouse MALE	0 MG/KG	15 MG/KG	30 MG/KG	60 MG/KG	125 MG/KG	250 MG/KG
Epithelium, Hyperplasia					1 [4.0]	
Epithelium, Necrosis					2 [4.0]	8 [4.0]
Inflammation, Chronic						1 [2.0]
SPECIAL SENSES SYSTEM						
Eye	(10)	(0)	(0)	(0)	(10)	(10)
Harderian Gland	(10)	(0)	(0)	(0)	(10)	(10)
URINARY SYSTEM						
Kidney	(10)	(10)	(10)	(10)	(10)	(10)
Inflammation, Chronic Active	1 [1.0]			1 [1.0]		1 [2.0]
Mineralization	1 [1.0]				1 [1.0]	1 [1.0]
Nephropathy	1 [1.0]			1 [1.0]	2 [1.0]	
Urinary Bladder	(10)	(0)	(0)	(0)	(10)	(10)

END OF MALE DATA

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

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B6C3F1 Mouse FEMALE	0 MG/KG	15 MG/KG	30 MG/KG	60 MG/KG	125 MG/KG	250 MG/KG
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)
Hepatocyte, Fatty Change						9 [2.7]
Hepatocyte, Necrosis	3 [1.3]	1 [1.0]			1 [2.0]	4 [2.3]
Hepatocyte, Vacuolization Cytoplasmic	10 [1.0]	10 [2.2]	9 [2.1]	9 [2.3]	8 [2.6]	
Inflammation, Chronic Active	10 [1.1]	10 [1.0]	10 [1.0]	10 [1.0]	7 [1.0]	1 [1.0]
Tension Lipidosis						1 [3.0]
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						

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Lab: BAT

B6C3F1 Mouse FEMALE	0 MG/KG	15 MG/KG	30 MG/KG	60 MG/KG	125 MG/KG	250 MG/KG
Blood Vessel	(10)	(0)	(0)	(0)	(10)	(10)
Heart	(10)	(0)	(0)	(0)	(10)	(10)
Mineralization					2 [1.0]	
ENDOCRINE SYSTEM						
Adrenal Cortex	(10)	(0)	(0)	(0)	(10)	(10)
Accessory Adrenal Cortical Nodule	1					
Subcapsular, Hyperplasia	10 [1.4]				8 [1.8]	
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					
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 [2.5]	
Renal, Necrosis, Lymphoid					1 [2.0]	
Lymph Node, Mandibular	(10)	(10)	(10)	(10)	(10)	(8)
Atrophy						3 [2.7]
Necrosis, Lymphoid					3 [1.7]	2 [2.0]

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B6C3F1 Mouse FEMALE	0 MG/KG	15 MG/KG	30 MG/KG	60 MG/KG	125 MG/KG	250 MG/KG
Lymph Node, Mesenteric	(10)	(10)	(10)	(10)	(10)	(9)
Atrophy						5 [2.8]
Necrosis, Lymphoid					2 [2.0]	4 [2.3]
Spleen	(10)	(10)	(10)	(10)	(10)	(10)
Atrophy					2 [3.0]	7 [2.6]
Hematopoietic Cell Proliferation				1 [2.0]	1 [2.0]	
Lymph Follic, Necrosis					2 [2.0]	6 [2.0]
Thymus	(10)	(10)	(10)	(10)	(10)	(10)
Atrophy					2 [3.0]	6 [3.0]
Inflammation, Chronic Active	1 [1.0]		1 [1.0]		10 [2.0]	8 [3.1]
Thymocyte, Necrosis						
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 [1.0]
NERVOUS SYSTEM						
Brain	(10)	(0)	(0)	(0)	(10)	(10)
RESPIRATORY SYSTEM						
Lung	(10)	(10)	(10)	(10)	(10)	(10)
Alveolus, Infiltration Cellular, Histiocyte					7 [2.0]	
Bronchiole, Epithelium, Degeneration					6 [2.5]	9 [2.6]
Bronchiole, Epithelium, Regeneration			1 [2.0]	1 [1.0]	7 [3.1]	
Bronchus, Epithelium, Degeneration						1 [2.0]
Peribronchiolar, Inflammation, Chronic Active		1 [2.0]	1 [2.0]	1 [2.0]	10 [2.3]	10 [2.0]

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B6C3F1 Mouse FEMALE	0 MG/KG	15 MG/KG	30 MG/KG	60 MG/KG	125 MG/KG	250 MG/KG
Nose	(10)	(10)	(10)	(10)	(10)	(10)
Glands, Dilatation	2 [2.0]					
Glands, Hyperplasia					7 [2.1]	
Inflammation, Chronic Active					1 [2.0]	8 [2.0]
Olfactory Epi, Degeneration				5 [1.8]	8 [2.5]	
Olfactory Epi, Metaplasia					4 [2.5]	
Trachea	(10)	(10)	(10)	(10)	(10)	(10)
Epithelium, Necrosis					2 [4.0]	10 [4.0]
SPECIAL SENSES SYSTEM						
Eye	(10)	(0)	(0)	(0)	(10)	(10)
Cornea, Inflammation, Chronic Active						2 [2.0]
Harderian Gland	(9)	(0)	(0)	(0)	(10)	(10)
URINARY SYSTEM						
Kidney	(10)	(10)	(10)	(10)	(10)	(10)
Inflammation, Chronic Active	2 [1.0]					
Urinary Bladder	(10)	(0)	(0)	(0)	(10)	(9)

** END OF REPORT **

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

b - Average severity grade (1-minimal; 2-mild; 3-moderate; 4-marked)