

Experiment Number: 91005-04
Test Type: 90-DAY
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

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

Test Compound: Methylene blue trihydrate

CAS Number: 7220-79-3

Date Report Requested: 10/17/2014

Time Report Requested: 22:13:54

First Dose M/F: NA / NA

Lab: BAT

C Number:	C91005B
Lock Date:	05/12/1994
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	25 MG/KG	50 MG/KG	100 MG/KG	200 MG/KG
Disposition Summary					
Animals Initially In Study	10	10	10	10	10
Early Deaths					
Dosing Accident					1
Survivors					
Terminal Sacrifice	10	10	10	10	9
Animals Examined Microscopically	10	10	10	10	10
ALIMENTARY SYSTEM					
Esophagus	(10)	(0)	(0)	(0)	(10)
Gallbladder	(10)	(0)	(0)	(0)	(8)
Intestine Large, Cecum	(10)	(0)	(0)	(0)	(10)
Intestine Large, Colon	(10)	(0)	(0)	(0)	(9)
Intestine Large, Rectum	(10)	(0)	(0)	(0)	(10)
Intestine Small, Duodenum	(9)	(0)	(0)	(0)	(7)
Intestine Small, Ileum	(9)	(0)	(0)	(0)	(10)
Intestine Small, Jejunum	(10)	(0)	(0)	(0)	(10)
Liver	(10)	(10)	(10)	(10)	(10)
Hematopoietic Cell Proliferation				10 (100%)	10 (100%)
Hepatocyte, Necrosis				1 (10%)	
Inflammation, Chronic Active	3 (30%)	3 (30%)	1 (10%)	4 (40%)	3 (30%)
Kupffer Cell, Pigmentation			10 (100%)	10 (100%)	10 (100%)
Pancreas	(10)	(0)	(0)	(0)	(10)
Inflammation, Chronic Active					1 (10%)
Salivary Glands	(10)	(0)	(0)	(0)	(10)
Stomach, Forestomach	(10)	(0)	(0)	(0)	(10)
Inflammation, Chronic Active					1 (10%)
Stomach, Glandular	(10)	(0)	(0)	(0)	(10)
CARDIOVASCULAR SYSTEM					
Blood Vessel	(10)	(0)	(0)	(0)	(10)

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

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Lab: BAT

B6C3F1 Mouse MALE	0 MG/KG	25 MG/KG	50 MG/KG	100 MG/KG	200 MG/KG
Heart	(10)	(0)	(0)	(0)	(10)
ENDOCRINE SYSTEM					
Adrenal Cortex	(10)	(0)	(0)	(0)	(10)
Adrenal Medulla	(10)	(0)	(0)	(0)	(9)
Islets, Pancreatic	(10)	(0)	(0)	(0)	(10)
Parathyroid Gland	(9)	(0)	(0)	(0)	(4)
Cyst	2 (22%)				
Pituitary Gland	(10)	(0)	(0)	(0)	(10)
Thyroid Gland	(10)	(0)	(0)	(0)	(10)
GENERAL BODY SYSTEM					
None					
GENITAL SYSTEM					
Epididymis	(10)	(0)	(0)	(0)	(10)
Preputial Gland	(10)	(0)	(0)	(0)	(10)
Prostate	(10)	(0)	(0)	(0)	(10)
Seminal Vesicle	(10)	(0)	(0)	(0)	(10)
Testes	(10)	(0)	(0)	(0)	(10)
HEMATOPOIETIC SYSTEM					
Bone Marrow	(10)	(10)	(10)	(10)	(10)
Pigmentation		10 (100%)	10 (100%)	10 (100%)	9 (90%)
Lymph Node, Mandibular	(9)	(0)	(0)	(0)	(10)
Lymph Node, Mesenteric	(10)	(0)	(0)	(0)	(9)
Spleen	(10)	(10)	(10)	(10)	(10)
Capsule, Fibrosis					1 (10%)
Pigmentation		10 (100%)	10 (100%)	10 (100%)	9 (90%)
Red Pulp, Hematopoietic Cell Proliferation		10 (100%)	10 (100%)	10 (100%)	10 (100%)
Thymus	(9)	(0)	(0)	(0)	(9)
INTEGUMENTARY SYSTEM					

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B6C3F1 Mouse MALE	0 MG/KG	25 MG/KG	50 MG/KG	100 MG/KG	200 MG/KG
Skin	(10)	(0)	(0)	(0)	(10)
MUSCULOSKELETAL SYSTEM					
Bone	(10)	(0)	(0)	(0)	(10)
NERVOUS SYSTEM					
Brain	(10)	(0)	(0)	(0)	(10)
RESPIRATORY SYSTEM					
Lung	(10)	(0)	(0)	(0)	(10)
Nose	(10)	(0)	(0)	(0)	(10)
Trachea	(10)	(0)	(0)	(0)	(10)
SPECIAL SENSES SYSTEM					
None					
URINARY SYSTEM					
Kidney	(10)	(0)	(0)	(1)	(10)
Cyst				1 (100%)	
Inflammation, Suppurative					1 (10%)
Renal Tubule, Pigmentation					9 (90%)
Urinary Bladder	(10)	(10)	(10)	(10)	(10)

END OF MALE DATA

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B6C3F1 Mouse FEMALE	0 MG/KG	25 MG/KG	50 MG/KG	100 MG/KG	200 MG/KG
Disposition Summary					
Animals Initially In Study	10	10	10	10	10
Early Deaths					
Dosing Accident		1			
Survivors					
Terminal Sacrifice	10	9	10	10	10
Animals Examined Microscopically	10	10	10	10	10
ALIMENTARY SYSTEM					
Esophagus	(9)	(1)	(0)	(0)	(10)
Perforation		1 (100%)			
Gallbladder	(8)	(0)	(0)	(0)	(10)
Intestine Large, Cecum	(10)	(1)	(0)	(0)	(10)
Intestine Large, Colon	(10)	(1)	(0)	(0)	(10)
Intestine Large, Rectum	(10)	(1)	(0)	(0)	(10)
Intestine Small, Duodenum	(8)	(1)	(0)	(0)	(9)
Intestine Small, Ileum	(8)	(0)	(0)	(0)	(10)
Intestine Small, Jejunum	(10)	(1)	(0)	(0)	(10)
Liver	(10)	(10)	(10)	(10)	(10)
Hematopoietic Cell Proliferation		1 (10%)	2 (20%)	10 (100%)	9 (90%)
Inflammation, Chronic Active	8 (80%)	6 (60%)	7 (70%)	10 (100%)	9 (90%)
Kupffer Cell, Pigmentation			9 (90%)	10 (100%)	10 (100%)
Pancreas	(10)	(1)	(0)	(0)	(10)
Duct, Cyst	1 (10%)				
Salivary Glands	(10)	(1)	(0)	(0)	(10)
Stomach, Forestomach	(10)	(1)	(0)	(0)	(10)
Stomach, Glandular	(10)	(1)	(0)	(0)	(10)
CARDIOVASCULAR SYSTEM					
Blood Vessel	(10)	(1)	(0)	(0)	(10)
Heart	(10)	(1)	(0)	(0)	(10)

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B6C3F1 Mouse FEMALE	0 MG/KG	25 MG/KG	50 MG/KG	100 MG/KG	200 MG/KG
Pericardium, Inflammation, Chronic Active		1 (100%)			
ENDOCRINE SYSTEM					
Adrenal Cortex	(10)	(1)	(0)	(0)	(10)
Adrenal Medulla	(10)	(1)	(0)	(0)	(10)
Islets, Pancreatic	(10)	(1)	(0)	(0)	(10)
Parathyroid Gland	(8)	(0)	(0)	(0)	(6)
Pituitary Gland	(9)	(0)	(0)	(0)	(10)
Pars Distalis, Hyperplasia	1 (11%)				
Thyroid Gland	(10)	(1)	(0)	(0)	(10)
GENERAL BODY SYSTEM					
None					
GENITAL SYSTEM					
Clitoral Gland	(10)	(1)	(0)	(0)	(10)
Ovary	(9)	(1)	(0)	(0)	(10)
Uterus	(10)	(1)	(0)	(0)	(10)
HEMATOPOIETIC SYSTEM					
Bone Marrow	(10)	(1)	(4)	(10)	(10)
Pigmentation			4 (100%)	10 (100%)	10 (100%)
Lymph Node, Mandibular	(10)	(1)	(0)	(0)	(10)
Lymph Node, Mesenteric	(10)	(0)	(0)	(0)	(10)
Spleen	(10)	(10)	(10)	(10)	(10)
Pigmentation		9 (90%)	9 (90%)	10 (100%)	10 (100%)
Red Pulp, Hematopoietic Cell Proliferation		9 (90%)	10 (100%)	10 (100%)	10 (100%)
Thymus	(10)	(1)	(0)	(0)	(10)
Necrosis		1 (100%)			
INTEGUMENTARY SYSTEM					
Mammary Gland	(10)	(1)	(0)	(0)	(10)
Skin	(10)	(1)	(0)	(0)	(10)

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MUSCULOSKELETAL SYSTEM					
Bone	(10)	(1)	(0)	(0)	(10)
NERVOUS SYSTEM					
Brain	(10)	(1)	(0)	(0)	(10)
RESPIRATORY SYSTEM					
Lung	(10)	(1)	(0)	(0)	(10)
Mediastinum, Serosa, Inflammation, Chronic Active		1 (100%)			
Nose	(10)	(1)	(0)	(0)	(10)
Trachea	(9)	(1)	(0)	(0)	(10)
SPECIAL SENSES SYSTEM					
None					
URINARY SYSTEM					
Kidney	(10)	(1)	(0)	(4)	(10)
Pigmentation					1 (10%)
Renal Tubule, Pigmentation				4 (100%)	10 (100%)
Urinary Bladder	(9)	(10)	(9)	(10)	(10)

** END OF REPORT **