

Experiment Number: 95003 - 04

**P18: INCIDENCE RATES OF NON-NEOPLASTIC LESIONS BY ANATOMIC SITE (a) WITH
AVERAGE SEVERITY GRADES[b]**

Date Report Requested: 08/31/2016

Test Type: 90-DAY

Methyl trans-styryl ketone

Time Report Requested: 14:51:25

Route: SKIN APPLICATION

CAS Number: 1896-62-4

First Dose M/F: 12/13/01 / 12/14/01

Species/Strain: MICE/B6C3F1

Lab: MBA

NTP Study Number: C95003
Lock Date: 01/08/2003
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: MBA

B6C3F1 MICE MALE	VEHICLE CONTROL	87.5 MG/KG	175 MG/KG	350 MG/KG	700 MG/KG	1400 MG/KG
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Disposition Summary

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

ALIMENTARY SYSTEM

Esophagus	(10)	(0)	(0)	(10)	(10)	(10)
Gallbladder	(8)	(0)	(0)	(10)	(10)	(9)
Intestine Large, Cecum	(10)	(0)	(0)	(10)	(10)	(9)
Intestine Large, Colon	(10)	(0)	(0)	(10)	(10)	(10)
Intestine Large, Rectum	(10)	(0)	(0)	(10)	(10)	(9)
Intestine Small, Duodenum	(10)	(0)	(0)	(10)	(10)	(9)
Intestine Small, Ileum	(10)	(0)	(0)	(10)	(10)	(8)
Intestine Small, Jejunum	(10)	(0)	(0)	(10)	(10)	(8)
Liver	(10)	(0)	(0)	(10)	(10)	(10)
Pancreas	(10)	(0)	(0)	(10)	(10)	(10)
Salivary Glands	(10)	(0)	(0)	(10)	(10)	(10)
Stomach, Forestomach	(9)	(0)	(0)	(10)	(10)	(9)
Stomach, Glandular	(10)	(10)	(10)	(10)	(10)	(9)
Tongue	(10)	(0)	(0)	(10)	(10)	(10)

CARDIOVASCULAR SYSTEM

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

ENDOCRINE SYSTEM

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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B6C3F1 MICE MALE	VEHICLE CONTROL	87.5 MG/KG	175 MG/KG	350 MG/KG	700 MG/KG	1400 MG/KG
Adrenal Cortex	(10)	(0)	(0)	(10)	(10)	(10)
Accessory Adrenal Cortical Nodule						1 [1.0]
Adrenal Medulla	(10)	(0)	(0)	(10)	(10)	(10)
Islets, Pancreatic	(10)	(0)	(0)	(10)	(10)	(10)
Parathyroid Gland	(9)	(0)	(0)	(8)	(9)	(7)
Pituitary Gland	(8)	(0)	(0)	(10)	(7)	(7)
Thyroid Gland	(10)	(0)	(0)	(10)	(10)	(10)
Ectopic Thymus	1 [1.0]					1 [1.0]

GENERAL BODY SYSTEM

None

GENITAL SYSTEM

Epididymis	(10)	(0)	(0)	(10)	(10)	(10)
Preputial Gland	(10)	(0)	(0)	(10)	(10)	(9)
Prostate	(10)	(0)	(0)	(10)	(10)	(10)
Seminal Vesicle	(10)	(0)	(0)	(10)	(10)	(9)
Testes	(10)	(0)	(0)	(10)	(10)	(10)

HEMATOPOIETIC SYSTEM

Bone Marrow	(10)	(0)	(0)	(10)	(10)	(10)
Lymph Node, Mandibular	(9)	(0)	(0)	(10)	(10)	(10)
Lymph Node, Mesenteric	(10)	(0)	(0)	(10)	(10)	(10)
Spleen	(10)	(0)	(0)	(10)	(10)	(9)
Hematopoietic Cell Proliferation	6 [1.0]			4 [1.0]	9 [1.0]	6 [1.5]
Thymus	(10)	(0)	(0)	(10)	(10)	(9)
Atrophy				4 [1.0]		

INTEGUMENTARY SYSTEM

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B6C3F1 MICE MALE	VEHICLE CONTROL	87.5 MG/KG	175 MG/KG	350 MG/KG	700 MG/KG	1400 MG/KG
Skin	(10)	(10)	(10)	(10)	(10)	(10)
Hair Follicle, Site Of Application, Hyperplasia		9 [1.3]	9 [1.7]	10 [2.2]	10 [1.5]	9 [1.3]
Sebaceous Gland, Site Of Application, Hypertrophy		5 [1.0]	9 [2.0]	10 [2.8]	10 [1.6]	8 [1.1]
Site Of Application, Hyperkeratosis		9 [1.1]	4 [1.0]	8 [1.0]	10 [2.0]	10 [1.7]
Site Of Application, Inflammation, Chronic Active		10 [2.0]	9 [1.6]	9 [1.0]	10 [3.9]	10 [3.7]
Site Of Application, Necrosis					10 [3.7]	6 [4.0]
Site Of Application, Ulcer		1			1	3
Site Of Application - Epidermis, Hyperplasia		10 [1.7]	7 [1.4]	9 [2.4]	10 [4.0]	10 [3.6]
MUSCULOSKELETAL SYSTEM						
Bone	(10)	(0)	(0)	(10)	(10)	(10)
Skeletal Muscle	(0)	(0)	(0)	(0)	(0)	(1)
Necrosis, Focal						1 [4.0]
NERVOUS SYSTEM						
Brain	(10)	(0)	(0)	(10)	(10)	(10)
RESPIRATORY SYSTEM						
Lung	(10)	(0)	(0)	(10)	(10)	(10)
Hemorrhage, Focal						1 [3.0]
Nose	(10)	(10)	(10)	(10)	(10)	(10)
Olfactory Epithelium, Atrophy				3 [1.0]	8 [1.0]	10 [1.5]
Trachea	(8)	(0)	(0)	(10)	(10)	(10)
SPECIAL SENSES SYSTEM						
Eye	(10)	(0)	(0)	(10)	(10)	(10)
Harderian Gland	(10)	(0)	(0)	(10)	(10)	(10)

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Lab: MBA

B6C3F1 MICE MALE	VEHICLE CONTROL	87.5 MG/KG	175 MG/KG	350 MG/KG	700 MG/KG	1400 MG/KG
URINARY SYSTEM						
Kidney	(10)	(10)	(10)	(10)	(10)	(9)
Urinary Bladder	(10)	(0)	(0)	(10)	(10)	(9)

*** END OF MALE ***

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

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Lab: MBA

B6C3F1 MICE FEMALE	VEHICLE CONTROL	87.5 MG/KG	175 MG/KG	350 MG/KG	700 MG/KG	1400 MG/KG
Disposition Summary						
Animals Initially In Study	10	10	10	10	10	10
Early Deaths						
Moribund Sacrifice					10	9
Natural Death						1
Survivors						
Terminal Sacrifice	10	10	10	10		
Animals Examined Microscopically	10	10	10	10	10	10

ALIMENTARY SYSTEM

Esophagus	(10)	(0)	(0)	(10)	(10)	(10)
Gallbladder	(7)	(0)	(0)	(10)	(10)	(7)
Intestine Large, Cecum	(10)	(0)	(0)	(10)	(10)	(9)
Intestine Large, Colon	(10)	(0)	(0)	(10)	(10)	(9)
Intestine Large, Rectum	(10)	(0)	(0)	(10)	(10)	(9)
Intestine Small, Duodenum	(10)	(0)	(0)	(10)	(10)	(9)
Intestine Small, Ileum	(10)	(0)	(0)	(10)	(10)	(8)
Intestine Small, Jejunum	(10)	(0)	(0)	(10)	(10)	(9)
Liver	(10)	(0)	(0)	(10)	(10)	(10)
Pancreas	(10)	(0)	(0)	(10)	(10)	(10)
Salivary Glands	(10)	(0)	(0)	(10)	(10)	(10)
Stomach, Forestomach	(10)	(0)	(0)	(10)	(10)	(8)
Stomach, Glandular	(10)	(10)	(10)	(10)	(10)	(8)
Tongue	(10)	(0)	(0)	(10)	(10)	(10)

CARDIOVASCULAR SYSTEM

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

ENDOCRINE SYSTEM

Adrenal Cortex	(10)	(10)	(10)	(10)	(10)	(10)
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B6C3F1 MICE FEMALE	VEHICLE CONTROL	87.5 MG/KG	175 MG/KG	350 MG/KG	700 MG/KG	1400 MG/KG
Subcapsular, Hyperplasia, Focal	10 [1.0]			10 [1.0]	8 [1.0]	7 [1.0]
Adrenal Medulla	(10)	(0)	(0)	(10)	(10)	(10)
Islets, Pancreatic	(10)	(0)	(0)	(10)	(10)	(10)
Parathyroid Gland	(8)	(0)	(0)	(5)	(3)	(4)
Pituitary Gland	(8)	(0)	(0)	(9)	(9)	(8)
Thyroid Gland	(10)	(0)	(0)	(10)	(10)	(8)
Ectopic Thymus	2 [1.0]					

GENERAL BODY SYSTEM

None

GENITAL SYSTEM

Clitoral Gland	(10)	(0)	(0)	(10)	(9)	(5)
Ovary	(10)	(0)	(0)	(10)	(10)	(9)
Uterus	(10)	(9)	(10)	(10)	(10)	(9)
Endometrium, Hyperplasia, Cystic	10 [1.2]	9 [1.3]	10 [1.2]	10 [1.0]	7 [1.0]	2 [1.0]

HEMATOPOIETIC SYSTEM

Bone Marrow	(10)	(0)	(0)	(10)	(10)	(9)
Lymph Node, Mandibular	(10)	(0)	(0)	(10)	(9)	(9)
Lymph Node, Mesenteric	(10)	(0)	(0)	(10)	(10)	(8)
Spleen	(10)	(0)	(0)	(10)	(10)	(9)
Hematopoietic Cell Proliferation	6 [1.0]			6 [1.3]	6 [1.0]	4 [1.0]
Thymus	(10)	(0)	(0)	(10)	(10)	(9)
Atrophy				2 [1.0]		
Atrophy, Focal				1 [2.0]		

INTEGUMENTARY SYSTEM

Mammary Gland	(9)	(0)	(0)	(10)	(10)	(10)
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B6C3F1 MICE FEMALE	VEHICLE CONTROL	87.5 MG/KG	175 MG/KG	350 MG/KG	700 MG/KG	1400 MG/KG
Skin	(10)	(10)	(10)	(10)	(10)	(10)
Hair Follicle, Site Of Application, Hyperplasia		3 [1.0]	4 [1.3]	10 [2.7]	10 [1.8]	8 [2.9]
Sebaceous Gland, Site Of Application, Hypertrophy		5 [1.0]	8 [1.4]	10 [2.8]	10 [1.6]	9 [2.0]
Site Of Application, Hyperkeratosis			2 [1.0]	9 [1.2]	10 [2.0]	10 [1.8]
Site Of Application, Inflammation, Chronic Active		10 [2.0]	6 [1.3]	10 [1.0]	10 [3.8]	10 [3.0]
Site Of Application, Necrosis					9 [3.3]	6 [3.5]
Site Of Application, Ulcer					1	
Site Of Application - Epidermis, Hyperplasia		7 [1.0]	4 [1.5]	10 [2.2]	10 [4.0]	10 [3.5]
MUSCULOSKELETAL SYSTEM						
Bone	(10)	(0)	(0)	(10)	(10)	(10)
NERVOUS SYSTEM						
Brain	(10)	(0)	(0)	(10)	(10)	(9)
RESPIRATORY SYSTEM						
Lung	(10)	(0)	(0)	(10)	(10)	(10)
Alveolus, Inflammation, Focal, Chronic Active				1 [2.0]		1 [1.0]
Bronchiole, Inflammation, Focal, Acute	1 [1.0]					
Nose	(10)	(10)	(10)	(10)	(10)	(10)
Olfactory Epithelium, Atrophy				4 [1.0]	9 [1.1]	6 [1.7]
Olfactory Epithelium, Degeneration, Focal						1 [2.0]
Trachea	(10)	(0)	(0)	(10)	(10)	(8)
SPECIAL SENSES SYSTEM						
Eye	(10)	(0)	(0)	(10)	(10)	(10)
Harderian Gland	(10)	(0)	(0)	(10)	(10)	(9)

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B6C3F1 MICE FEMALE	VEHICLE CONTROL	87.5 MG/KG	175 MG/KG	350 MG/KG	700 MG/KG	1400 MG/KG
URINARY SYSTEM						
Kidney	(10)	(10)	(10)	(10)	(10)	(10)
Infiltration Cellular			1 [1.0]			
Urinary Bladder	(9)	(0)	(0)	(10)	(10)	(9)

*** END OF REPORT ***

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