

TDMS No. 20006 - 02
Test Type: 90-DAY
Route: GAVAGE
Species/Strain: MICE/B6C3F1

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

INDOLE-3-CARBINOL
CAS Number: 700-06-1

Date Report Requested: 06/05/2007
Time Report Requested: 07:56:47
First Dose M/F: 09/01/04 / 09/02/04
Lab: SRI

F1_M3

C Number: C20006
Lock Date: 03/07/2006
Cage Range: ALL
Date Range: ALL
Reasons For Removal: ALL
Removal Date Range: ALL
Treatment Groups: Include ALL
TDMSE Version: 1.7.0

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B6C3F1 MICE MALE	0 MG/KG	15.6 MG/KG	31.25 MG/KG	62.5 MG/KG	125 MG/KG
Disposition Summary					
Animals Initially in Study	10	10	10	10	10
Early Deaths					
Survivors					
Terminal Sacrifice	10	10	10	10	10
Animals Examined Microscopically	10	10	10	10	10
ALIMENTARY SYSTEM					
Esophagus	(10)	(0)	(0)	(0)	(0)
Inflammation, Chronic	3 (30%)				
Liver	(10)	(10)	(10)	(10)	(10)
Centrilobular, Vacuolization Cytoplasmic					1 (10%)
CARDIOVASCULAR SYSTEM					
None					
ENDOCRINE SYSTEM					
Adrenal Cortex	(10)	(0)	(0)	(0)	(0)
Accessory Adrenal Cortical Nodule	3 (30%)				
Hypertrophy, Focal	1 (10%)				
Capsule, Hyperplasia	5 (50%)				
GENERAL BODY SYSTEM					
None					
GENITAL SYSTEM					
Epididymis	(10)	(0)	(0)	(0)	(0)
Hypospermia					
Testes	(10)	(0)	(0)	(0)	(0)
Germinal Epithelium, Degeneration					

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

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HEMATOPOIETIC SYSTEM					
Lymph Node, Mandibular Hyperplasia, Histiocytic Infiltration Cellular, Lipocyte	(9) 3 (33%) 4 (44%)	(0)	(0)	(0)	(0)
Lymph Node, Mesenteric Necrosis, Lymphoid	(10)	(0)	(0)	(0)	(0)
Spleen Hematopoietic Cell Proliferation	(10)	(3) 2 (67%)	(0)	(0)	(0)
Thymus Atrophy	(10) 1 (10%)	(0)	(0)	(0)	(0)
INTEGUMENTARY SYSTEM					
None					
MUSCULOSKELETAL SYSTEM					
None					
NERVOUS SYSTEM					
Brain Hemorrhage	(10) 1 (10%)	(0)	(0)	(0)	(0)
RESPIRATORY SYSTEM					
Lung Hemorrhage	(10)	(0)	(0)	(0)	(0)
SPECIAL SENSES SYSTEM					
Eye Lens, Degeneration	(10) 1 (10%)	(0)	(0)	(0)	(0)
Harderian Gland Inflammation, Chronic	(10) 1 (10%)	(0)	(0)	(0)	(0)

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<hr/>					
URINARY SYSTEM					
Kidney Nephropathy	(10) 1 (10%)	(0)	(0)	(0)	(0)

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B6C3F1 MICE MALE

250 MG/KG

Disposition Summary

Animals Initially in Study	10
Early Deaths	
Survivors	
Terminal Sacrifice	10
Animals Examined Microscopically	10

ALIMENTARY SYSTEM

Esophagus	(10)
Inflammation, Chronic	3 (30%)
Liver	(10)
Centrilobular, Vacuolization Cytoplasmic	

CARDIOVASCULAR SYSTEM

None

ENDOCRINE SYSTEM

Adrenal Cortex	(10)
Accessory Adrenal Cortical Nodule	
Hypertrophy, Focal	
Capsule, Hyperplasia	5 (50%)

GENERAL BODY SYSTEM

None

GENITAL SYSTEM

Epididymis	(9)
Hypospermia	1 (11%)
Testes	(10)
Germinal Epithelium, Degeneration	1 (10%)

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B6C3F1 MICE MALE

250 MG/KG

HEMATOPOIETIC SYSTEM

Lymph Node, Mandibular	(10)
Hyperplasia, Histiocytic	4 (40%)
Infiltration Cellular, Lipocyte	3 (30%)
Lymph Node, Mesenteric	(8)
Necrosis, Lymphoid	3 (38%)
Spleen	(10)
Hematopoietic Cell Proliferation	
Thymus	(10)
Atrophy	

INTEGUMENTARY SYSTEM

None

MUSCULOSKELETAL SYSTEM

None

NERVOUS SYSTEM

Brain	(10)
Hemorrhage	

RESPIRATORY SYSTEM

Lung	(10)
Hemorrhage	1 (10%)

SPECIAL SENSES SYSTEM

Eye	(10)
Lens, Degeneration	
Harderian Gland	(10)
Inflammation, Chronic	2 (20%)

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B6C3F1 MICE MALE

250 MG/KG

URINARY SYSTEM

Kidney
Nephropathy

(10)
1 (10%)

*** END OF MALE ***

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B6C3F1 MICE FEMALE	0 MG/KG	15.6 MG/KG	31.25 MG/KG	62.5 MG/KG	125 MG/KG
Disposition Summary					
Animals Initially in Study	10	10	10	10	10
Early Deaths					
Survivors					
Terminal Sacrifice	10	10	10	10	10
Animals Examined Microscopically	10	10	10	10	10
ALIMENTARY SYSTEM					
Esophagus	(10)	(0)	(0)	(0)	(0)
Inflammation, Chronic	2 (20%)				
Gallbladder	(10)	(0)	(0)	(0)	(0)
Hemorrhage					
Inflammation, Chronic					
Liver	(10)	(10)	(10)	(10)	(10)
Eosinophilic Focus		1 (10%)			
Pancreas	(10)	(0)	(0)	(0)	(0)
Atrophy					
Salivary Glands	(10)	(0)	(0)	(0)	(0)
Hyperplasia, Lymphoid	2 (20%)				
CARDIOVASCULAR SYSTEM					
None					
ENDOCRINE SYSTEM					
Adrenal Cortex	(10)	(0)	(0)	(0)	(0)
Capsule, Hyperplasia	10 (100%)				
Pituitary Gland	(9)	(0)	(0)	(0)	(0)
Pars Distalis, Cyst					
Thyroid Gland	(10)	(0)	(0)	(0)	(0)
Follicle, Cyst	1 (10%)				
GENERAL BODY SYSTEM					

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None					
GENITAL SYSTEM					
Uterus	(10)	(0)	(1)	(0)	(0)
Decidual Reaction			1 (100%)		
HEMATOPOIETIC SYSTEM					
Lymph Node, Mandibular	(10)	(0)	(0)	(0)	(0)
Hyperplasia, Histiocytic	3 (30%)				
Infiltration Cellular, Lipocyte	3 (30%)				
Lymph Node, Mesenteric	(10)	(10)	(9)	(10)	(10)
Necrosis, Lymphoid	1 (10%)				
Spleen	(10)	(1)	(0)	(0)	(0)
Hematopoietic Cell Proliferation	2 (20%)	1 (100%)			
Pigmentation					
Thymus	(10)	(0)	(0)	(0)	(0)
Atrophy	1 (10%)				
INTEGUMENTARY SYSTEM					
None					
MUSCULOSKELETAL SYSTEM					
None					
NERVOUS SYSTEM					
Brain	(10)	(0)	(0)	(0)	(0)
Developmental Malformation					
RESPIRATORY SYSTEM					
Lung	(10)	(0)	(0)	(0)	(0)
Metaplasia, Osseous					
Nose	(10)	(0)	(0)	(0)	(0)

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<hr/>					
Foreign Body Inflammation, Chronic Olfactory Epithelium, Accumulation, Hyaline Droplet Olfactory Epithelium, Metaplasia, Respiratory					
<hr/>					
SPECIAL SENSES SYSTEM					
Harderian Gland Inflammation, Chronic	(10)	(0)	(0)	(0)	(0)
<hr/>					
URINARY SYSTEM					
None					
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B6C3F1 MICE FEMALE

250 MG/KG

Disposition Summary

Animals Initially in Study	10
Early Deaths	
Survivors	
Terminal Sacrifice	10
Animals Examined Microscopically	10

ALIMENTARY SYSTEM

Esophagus	(10)
Inflammation, Chronic	5 (50%)
Gallbladder	(10)
Hemorrhage	1 (10%)
Inflammation, Chronic	1 (10%)
Liver	(10)
Eosinophilic Focus	
Pancreas	(10)
Atrophy	1 (10%)
Salivary Glands	(10)
Hyperplasia, Lymphoid	2 (20%)

CARDIOVASCULAR SYSTEM

None

ENDOCRINE SYSTEM

Adrenal Cortex	(10)
Capsule, Hyperplasia	10 (100%)
Pituitary Gland	(10)
Pars Distalis, Cyst	1 (10%)
Thyroid Gland	(10)
Follicle, Cyst	

GENERAL BODY SYSTEM

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None	
<hr/>	
GENITAL SYSTEM	
Uterus	(10)
Decidual Reaction	
<hr/>	
HEMATOPOIETIC SYSTEM	
Lymph Node, Mandibular	(10)
Hyperplasia, Histiocytic	4 (40%)
Infiltration Cellular, Lipocyte	3 (30%)
Lymph Node, Mesenteric	(10)
Necrosis, Lymphoid	
Spleen	(10)
Hematopoietic Cell Proliferation	
Pigmentation	1 (10%)
Thymus	(10)
Atrophy	
<hr/>	
INTEGUMENTARY SYSTEM	
None	
<hr/>	
MUSCULOSKELETAL SYSTEM	
None	
<hr/>	
NERVOUS SYSTEM	
Brain	(10)
Developmental Malformation	1 (10%)
<hr/>	
RESPIRATORY SYSTEM	
Lung	(10)
Metaplasia, Osseous	1 (10%)
Nose	(10)

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B6C3F1 MICE FEMALE	250 MG/KG
Foreign Body	1 (10%)
Inflammation, Chronic	1 (10%)
Olfactory Epithelium, Accumulation, Hyaline Droplet	1 (10%)
Olfactory Epithelium, Metaplasia, Respiratory	1 (10%)

SPECIAL SENSES SYSTEM

Harderian Gland	(10)
Inflammation, Chronic	1 (10%)

URINARY SYSTEM

None	
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*** END OF REPORT ***