

**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
<b>Disposition Summary</b>					
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
<b>ALIMENTARY SYSTEM</b>					
Esophagus	(10)	(0)	(0)	(0)	(0)
Inflammation, Chronic	3 (30%)				
Liver	(10)	(10)	(10)	(10)	(10)
Centrilobular, Vacuolization Cytoplasmic					1 (10%)
<b>CARDIOVASCULAR SYSTEM</b>					
None					
<b>ENDOCRINE SYSTEM</b>					
Adrenal Cortex	(10)	(0)	(0)	(0)	(0)
Accessory Adrenal Cortical Nodule	3 (30%)				
Hypertrophy, Focal	1 (10%)				
Capsule, Hyperplasia	5 (50%)				
<b>GENERAL BODY SYSTEM</b>					
None					
<b>GENITAL SYSTEM</b>					
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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B6C3F1 MICE MALE	0 MG/KG	15.6 MG/KG	31.25 MG/KG	62.5 MG/KG	125 MG/KG
<b>HEMATOPOIETIC SYSTEM</b>					
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)
<b>INTEGUMENTARY SYSTEM</b>					
None					
<b>MUSCULOSKELETAL SYSTEM</b>					
None					
<b>NERVOUS SYSTEM</b>					
Brain Hemorrhage	(10) 1 (10%)	(0)	(0)	(0)	(0)
<b>RESPIRATORY SYSTEM</b>					
Lung Hemorrhage	(10)	(0)	(0)	(0)	(0)
<b>SPECIAL SENSES SYSTEM</b>					
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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B6C3F1 MICE MALE	0 MG/KG	15.6 MG/KG	31.25 MG/KG	62.5 MG/KG	125 MG/KG
<hr/>					
URINARY SYSTEM					
Kidney Nephropathy	(10) 1 (10%)	(0)	(0)	(0)	(0)

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B6C3F1 MICE MALE

250 MG/KG

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### Disposition Summary

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

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### ALIMENTARY SYSTEM

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

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### CARDIOVASCULAR SYSTEM

None

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### ENDOCRINE SYSTEM

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

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### GENERAL BODY SYSTEM

None

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### GENITAL SYSTEM

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

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**B6C3F1 MICE MALE**

**250 MG/KG**

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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	

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INTEGUMENTARY SYSTEM

None

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MUSCULOSKELETAL SYSTEM

None

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NERVOUS SYSTEM

Brain	(10)
Hemorrhage	

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RESPIRATORY SYSTEM

Lung	(10)
Hemorrhage	1 (10%)

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SPECIAL SENSES SYSTEM

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

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B6C3F1 MICE MALE

250 MG/KG

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URINARY SYSTEM

Kidney  
Nephropathy

(10)  
1 (10%)

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\*\*\* 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
<b>Disposition Summary</b>					
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
<b>ALIMENTARY SYSTEM</b>					
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%)				
<b>CARDIOVASCULAR SYSTEM</b>					
None					
<b>ENDOCRINE SYSTEM</b>					
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%)				
<b>GENERAL BODY SYSTEM</b>					

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

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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
None					
<b>GENITAL SYSTEM</b>					
Uterus	(10)	(0)	(1)	(0)	(0)
Decidual Reaction			1 (100%)		
<b>HEMATOPOIETIC SYSTEM</b>					
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%)				
<b>INTEGUMENTARY SYSTEM</b>					
None					
<b>MUSCULOSKELETAL SYSTEM</b>					
None					
<b>NERVOUS SYSTEM</b>					
Brain	(10)	(0)	(0)	(0)	(0)
Developmental Malformation					
<b>RESPIRATORY SYSTEM</b>					
Lung	(10)	(0)	(0)	(0)	(0)
Metaplasia, Osseous					
Nose	(10)	(0)	(0)	(0)	(0)

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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
Foreign Body Inflammation, Chronic Olfactory Epithelium, Accumulation, Hyaline Droplet Olfactory Epithelium, Metaplasia, Respiratory					
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SPECIAL SENSES SYSTEM					
Harderian Gland Inflammation, Chronic	(10)	(0)	(0)	(0)	(0)
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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%)

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### CARDIOVASCULAR SYSTEM

None

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### ENDOCRINE SYSTEM

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

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### GENERAL BODY SYSTEM

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B6C3F1 MICE FEMALE	250 MG/KG
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%)

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SPECIAL SENSES SYSTEM

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

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URINARY SYSTEM

None	
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\*\*\* END OF REPORT \*\*\*