

TDMS No. 20006 - 01
Test Type: 90-DAY
Route: GAVAGE
Species/Strain: RATS/F 344

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

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

Date Report Reqsted: 06/04/2007
Time Report Reqsted: 16:29:44
First Dose M/F: 08/31/04 / 08/30/04
Lab: SRI

F1_R2

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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FISCHER 344 RATS MALE	0 MG/KG	18.75 MG/KG	37.5 MG/KG	75 MG/KG	150 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					
Intestine Small, Duodenum	(10)	(10)	(10)	(10)	(10)
Lamina Propria, Lipidosis				1 (10%)	10 (100%)
Lymphatic, Ectasia				1 (10%)	10 (100%)
Intestine Small, Jejunum	(10)	(9)	(10)	(10)	(10)
Lamina Propria, Lipidosis		1 (11%)	1 (10%)	5 (50%)	10 (100%)
Lymphatic, Ectasia		1 (11%)	1 (10%)	5 (50%)	10 (100%)
Liver	(10)	(10)	(10)	(10)	(10)
Hemorrhage	2 (20%)			1 (10%)	
Hepatodiaphragmatic Nodule			1 (10%)	1 (10%)	
Infiltration Cellular, Mixed Cell					
Capsule, Fibrosis				1 (10%)	
Hepatocyte, Necrosis				1 (10%)	1 (10%)
Hepatocyte, Vacuolization Cytoplasmic	4 (40%)	4 (40%)	2 (20%)	4 (40%)	2 (20%)
Mesentery	(2)	(0)	(0)	(0)	(0)
Accessory Spleen	1 (50%)				
Fat, Necrosis	1 (50%)				
CARDIOVASCULAR SYSTEM					
Heart	(10)	(0)	(0)	(0)	(0)
Cardiomyopathy	1 (10%)				
Infiltration Cellular, Mixed Cell	3 (30%)				
ENDOCRINE SYSTEM					
Adrenal Cortex	(10)	(0)	(0)	(0)	(0)

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

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FISCHER 344 RATS MALE	0 MG/KG	18.75 MG/KG	37.5 MG/KG	75 MG/KG	150 MG/KG
Accessory Adrenal Cortical Nodule	2 (20%)				
GENERAL BODY SYSTEM					
None					
GENITAL SYSTEM					
None					
HEMATOPOIETIC SYSTEM					
Lymph Node, Mesenteric	(7)	(10)	(9)	(10)	(10)
Hemorrhage	1 (14%)				
Lipidosis		2 (20%)	1 (11%)		5 (50%)
Lymphatic, Ectasia		2 (20%)	1 (11%)		5 (50%)
Spleen	(10)	(0)	(0)	(0)	(0)
Pigmentation	3 (30%)				
INTEGUMENTARY SYSTEM					
None					
MUSCULOSKELETAL SYSTEM					
None					
NERVOUS SYSTEM					
None					
RESPIRATORY SYSTEM					
Lung	(10)	(0)	(0)	(0)	(0)
Hemorrhage					
Inflammation, Chronic	3 (30%)				
Alveolar Epithelium, Hyperplasia	1 (10%)				

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FISCHER 344 RATS MALE	0 MG/KG	18.75 MG/KG	37.5 MG/KG	75 MG/KG	150 MG/KG
Nose Nasolacrimal Duct, Inflammation, Chronic	(10) 1 (10%)	(0)	(0)	(0)	(0)
SPECIAL SENSES SYSTEM					
Harderian Gland Inflammation, Chronic	(10)	(0)	(0)	(0)	(0)
URINARY SYSTEM					
Kidney Nephropathy	(10)	(0)	(0)	(0)	(0)

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FISCHER 344 RATS MALE

300 MG/KG

Disposition Summary

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

ALIMENTARY SYSTEM

Esophagus	(9)
Inflammation, Chronic	1 (11%)
Intestine Small, Duodenum	(10)
Lamina Propria, Lipidosis	10 (100%)
Lymphatic, Ectasia	10 (100%)
Intestine Small, Jejunum	(10)
Lamina Propria, Lipidosis	10 (100%)
Lymphatic, Ectasia	10 (100%)
Liver	(10)
Hemorrhage	
Hepatodiaphragmatic Nodule	
Infiltration Cellular, Mixed Cell	1 (10%)
Capsule, Fibrosis	
Hepatocyte, Necrosis	
Hepatocyte, Vacuolization Cytoplasmic	2 (20%)
Mesentery	(0)
Accessory Spleen	
Fat, Necrosis	

CARDIOVASCULAR SYSTEM

Heart	(10)
Cardiomyopathy	3 (30%)
Infiltration Cellular, Mixed Cell	3 (30%)

ENDOCRINE SYSTEM

Adrenal Cortex	(10)
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FISCHER 344 RATS MALE	300 MG/KG
Accessory Adrenal Cortical Nodule	1 (10%)
GENERAL BODY SYSTEM	
None	
GENITAL SYSTEM	
None	
HEMATOPOIETIC SYSTEM	
Lymph Node, Mesenteric	(10)
Hemorrhage	1 (10%)
Lipidosis	10 (100%)
Lymphatic, Ectasia	10 (100%)
Spleen	(10)
Pigmentation	1 (10%)
INTEGUMENTARY SYSTEM	
None	
MUSCULOSKELETAL SYSTEM	
None	
NERVOUS SYSTEM	
None	
RESPIRATORY SYSTEM	
Lung	(10)
Hemorrhage	1 (10%)
Inflammation, Chronic	
Alveolar Epithelium, Hyperplasia	

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FISCHER 344 RATS MALE	300 MG/KG
Nose Nasolacrimal Duct, Inflammation, Chronic	(10)
<hr/>	
SPECIAL SENSES SYSTEM	
Harderian Gland Inflammation, Chronic	(10) 1 (10%)
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URINARY SYSTEM	
Kidney Nephropathy	(10) 2 (20%)

*** END OF MALE ***

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FISCHER 344 RATS FEMALE	0 MG/KG	18.75 MG/KG	37.5 MG/KG	75 MG/KG	150 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					
Intestine Small, Duodenum	(10)	(10)	(10)	(10)	(10)
Lamina Propria, Lipidosis					9 (90%)
Lymphatic, Ectasia					9 (90%)
Intestine Small, Jejunum	(10)	(10)	(10)	(10)	(10)
Lamina Propria, Lipidosis			1 (10%)	10 (100%)	10 (100%)
Lymphatic, Ectasia			1 (10%)	10 (100%)	10 (100%)
Liver	(10)	(10)	(10)	(10)	(10)
Eosinophilic Focus	1 (10%)				
Hemorrhage				1 (10%)	
Hepatodiaphragmatic Nodule				1 (10%)	2 (20%)
Infiltration Cellular, Mixed Cell	2 (20%)	1 (10%)	2 (20%)		2 (20%)
Mesentery	(0)	(0)	(1)	(0)	(1)
Fat, Necrosis			1 (100%)		1 (100%)
Pancreas	(10)	(0)	(0)	(0)	(0)
Atrophy					
CARDIOVASCULAR SYSTEM					
Heart	(10)	(0)	(0)	(0)	(0)
Cardiomyopathy	2 (20%)				
ENDOCRINE SYSTEM					
Adrenal Cortex	(10)	(0)	(0)	(0)	(0)
Accessory Adrenal Cortical Nodule	2 (20%)				
Pituitary Gland	(10)	(0)	(1)	(0)	(0)
Rathke's Cleft, Hemorrhage			1 (100%)		

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

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FISCHER 344 RATS FEMALE	0 MG/KG	18.75 MG/KG	37.5 MG/KG	75 MG/KG	150 MG/KG
GENERAL BODY SYSTEM					
None					
GENITAL SYSTEM					
Ovary Cyst	(10)	(0)	(0)	(0)	(0)
HEMATOPOIETIC SYSTEM					
Lymph Node Mediastinal, Hemorrhage	(0)	(0)	(1) 1 (100%)	(0)	(0)
Lymph Node, Mesenteric Lipidosis	(10)	(10)	(10) 1 (100%)	(10)	(10) 3 (30%)
Lymphatic, Ectasia					3 (30%)
Spleen Pigmentation	(10) 2 (20%)	(0)	(0)	(0)	(0)
INTEGUMENTARY SYSTEM					
Skin Cyst Epithelial Inclusion	(10)	(0)	(0)	(0)	(0)
MUSCULOSKELETAL SYSTEM					
None					
NERVOUS SYSTEM					
None					
RESPIRATORY SYSTEM					
Lung	(10)	(0)	(0)	(0)	(0)

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Hemorrhage Nose Inflammation, Chronic	1 (10%) (10) 1 (10%)	(0)	(0)	(0)	(0)
SPECIAL SENSES SYSTEM					
Harderian Gland Inflammation, Suppurative	(10)	(0)	(0)	(0)	(0)
URINARY SYSTEM					
Kidney Nephropathy	(10)	(0)	(0)	(0)	(0)

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FISCHER 344 RATS FEMALE

300 MG/KG

Disposition Summary

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

ALIMENTARY SYSTEM

Intestine Small, Duodenum	(10)
Lamina Propria, Lipidosis	10 (100%)
Lymphatic, Ectasia	10 (100%)
Intestine Small, Jejunum	(10)
Lamina Propria, Lipidosis	10 (100%)
Lymphatic, Ectasia	10 (100%)
Liver	(10)
Eosinophilic Focus	
Hemorrhage	
Hepatodiaphragmatic Nodule	
Infiltration Cellular, Mixed Cell	
Mesentery	(1)
Fat, Necrosis	1 (100%)
Pancreas	(10)
Atrophy	2 (20%)

CARDIOVASCULAR SYSTEM

Heart	(10)
Cardiomyopathy	

ENDOCRINE SYSTEM

Adrenal Cortex	(10)
Accessory Adrenal Cortical Nodule	1 (10%)
Pituitary Gland	(10)
Rathke's Cleft, Hemorrhage	

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FISCHER 344 RATS FEMALE

300 MG/KG

GENERAL BODY SYSTEM

None

GENITAL SYSTEM

Ovary	(10)
Cyst	1 (10%)

HEMATOPOIETIC SYSTEM

Lymph Node	(0)
Mediastinal, Hemorrhage	
Mediastinal, Hyperplasia, Lymphoid	
Lymph Node, Mesenteric	(10)
Lipidosis	9 (90%)
Lymphatic, Ectasia	9 (90%)
Spleen	(10)
Pigmentation	4 (40%)

INTEGUMENTARY SYSTEM

Skin	(10)
Cyst Epithelial Inclusion	1 (10%)

MUSCULOSKELETAL SYSTEM

None

NERVOUS SYSTEM

None

RESPIRATORY SYSTEM

Lung	(10)
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FISCHER 344 RATS FEMALE	300 MG/KG
Hemorrhage	1 (10%)
Nose	(10)
Inflammation, Chronic	1 (10%)

SPECIAL SENSES SYSTEM

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

URINARY SYSTEM

Kidney	(10)
Nephropathy	2 (20%)

*** END OF REPORT ***