

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

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
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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DAY ON TEST	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	9	9	9	9	9	9	9	9	9	9
	4	4	4	4	4	4	4	4	4	4
FISCHER 344 RATS MALE	0	0	0	0	0	0	0	0	0	0
0 MG/KG	0	0	0	0	0	0	0	0	0	0
ANIMAL ID	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	1
	1	2	3	4	5	6	7	8	9	0
	* TOTALS									

ALIMENTARY SYSTEM

Esophagus	+	+	+	+	+	+	+	+	+	+	10
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	10
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	10
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	10
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	10
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	+	10
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	+	10
Liver	+	+	+	+	+	+	+	+	+	+	10
Hemorrhage		1		2							2 1.5
Hepatocyte, Vacuolization Cytoplasmic				1		1	1	1			4 1.0
Mesentery								+		+	2
Accessory Spleen								X			1
Fat, Necrosis									2		1 2.0
Pancreas	+	+	+	+	+	+	+	+	+	+	10

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	0	0	0	0	0	0	0	0	0	0		
	9	9	9	9	9	9	9	9	9	9		
	4	4	4	4	4	4	4	4	4	4		
<hr/>												
FISCHER 344 RATS MALE	0	0	0	0	0	0	0	0	0	0		
ANIMAL ID	0	0	0	0	0	0	0	0	0	0		
0 MG/KG	0	0	0	0	0	0	0	0	0	0		
	1	2	3	4	5	6	7	8	9	0		
												* TOTALS
Salivary Glands	+	+	+	+	+	+	+	+	+	+		10
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+		10
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+		10
<hr/>												
CARDIOVASCULAR SYSTEM												
Heart	+	+	+	+	+	+	+	+	+	+		10
Cardiomyopathy								1				1 1.0
Infiltration Cellular, Mixed Cell		1	1						1			3 1.0
<hr/>												
ENDOCRINE SYSTEM												
Adrenal Cortex	+	+	+	+	+	+	+	+	+	+		10
Accessory Adrenal Cortical Nodule			2			1						2 1.5
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+		10
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+		10
Parathyroid Gland	+	+	+	+	+	+	+	M	+	+		9
Pituitary Gland	+	+	+	+	+	+	+	+	+	+		10
Thyroid Gland	+	+	+	+	+	+	+	+	+	+		10

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	0	0	0	0	0	0	0	0	0	0
	9	9	9	9	9	9	9	9	9	9
	4	4	4	4	4	4	4	4	4	4
.....										
FISCHER 344 RATS MALE	0	0	0	0	0	0	0	0	0	0
ANIMAL ID	0	0	0	0	0	0	0	0	0	0
0 MG/KG	0	0	0	0	0	0	0	0	0	0
	1	2	3	4	5	6	7	8	9	0
										* TOTALS

GENERAL BODY SYSTEM
 NONE

GENITAL SYSTEM

Epididymis	+	+	+	+	+	+	+	+	+	+	10
Preputial Gland	+	+	+	+	+	+	+	+	+	+	10
Prostate	+	+	+	+	+	+	+	+	+	+	10
Seminal Vesicle	+	+	+	+	+	+	+	+	+	+	10
Testes	+	+	+	+	+	+	+	+	+	+	10

HEMATOPOIETIC SYSTEM

Bone Marrow	+	+	+	+	+	+	+	+	+	+	10
Lymph Node, Mandibular	M	M	M	M	M	+	M	M	M	M	1
Lymph Node, Mesenteric Hemorrhage	+	A	A	A	+	+	+	+	+	+	7
					1						1 1.0

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	0	0	0	0	0	0	0	0	0	0		
	9	9	9	9	9	9	9	9	9	9		
	4	4	4	4	4	4	4	4	4	4		
.....												
FISCHER 344 RATS MALE	0	0	0	0	0	0	0	0	0	0		
0 MG/KG	0	0	0	0	0	0	0	0	0	0		
ANIMAL ID	0	0	0	0	0	0	0	0	0	0		
	0	0	0	0	0	0	0	0	0	0		
	0	0	0	0	0	0	0	0	0	0	1	
	1	2	3	4	5	6	7	8	9	0		
												* TOTALS
Spleen	+	+	+	+	+	+	+	+	+	+		10
Pigmentation					1		1			1		3 1.0
.....												
Thymus	+	+	+	+	+	+	+	M	+	+		9
.....												
INTEGUMENTARY SYSTEM												
.....												
Mammary Gland	+	+	+	+	+	+	+	+	I	+		9
.....												
Skin	+	+	+	+	+	+	+	+	+	+		10
.....												
MUSCULOSKELETAL SYSTEM												
.....												
Bone	+	+	+	+	+	+	+	+	+	+		10
.....												
NERVOUS SYSTEM												
.....												
Brain	+	+	+	+	+	+	+	+	+	+		10
.....												
RESPIRATORY SYSTEM												
.....												
Lung	+	+	+	+	+	+	+	+	+	+		10
Inflammation, Chronic		1						1	1			3 1.0
Alveolar Epithelium, Hyperplasia								1				1 1.0
.....												

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	0	0	0	0	0	0	0	0	0	0		
	9	9	9	9	9	9	9	9	9	9		
	4	4	4	4	4	4	4	4	4	4		
.....												
FISCHER 344 RATS MALE	0	0	0	0	0	0	0	0	0	0		
ANIMAL ID	0	0	0	0	0	0	0	0	0	0		
0 MG/KG	0	0	0	0	0	0	0	0	0	0		
	0	0	0	0	0	0	0	0	0	0	1	
	1	2	3	4	5	6	7	8	9	0		
												* TOTALS
Nose	+	+	+	+	+	+	+	+	+	+		10
Nasolacrimal Duct, Inflammation, Chronic										2		1 2.0
.....												
Trachea	+	+	+	+	+	+	+	+	+	+		10
.....												
SPECIAL SENSES SYSTEM												
.....												
Eye	+	+	+	+	+	+	+	+	+	+		10
.....												
Harderian Gland	+	+	+	+	+	+	+	+	+	+		10
.....												
URINARY SYSTEM												
.....												
Kidney	+	+	+	+	+	+	+	+	+	+		10
.....												
Urinary Bladder	+	+	+	+	+	+	+	+	+	+		10
.....												

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	0	0	0	0	0	0	0	0	0	0
	9	9	9	9	9	9	9	9	9	9
	4	4	4	4	4	4	4	4	4	4
.....										
FISCHER 344 RATS MALE	0	0	0	0	0	0	0	0	0	0
ANIMAL ID	0	0	0	0	0	0	0	0	0	0
18.75 MG/KG	0	0	0	0	0	0	0	0	0	0
	1	1	1	1	1	1	1	1	1	2
	1	2	3	4	5	6	7	8	9	0
										* TOTALS

ALIMENTARY SYSTEM

Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	10
Intestine Small, Jejunum	A	+	+	+	+	+	+	+	+	+	9
Lamina Propria, Lipidosis								1			1 1.0
Lymphatic, Ectasia								1			1 1.0
Liver	+	+	+	+	+	+	+	+	+	+	10
Hepatocyte, Vacuolization Cytoplasmic					1			1	1	2	4 1.3

CARDIOVASCULAR SYSTEM

NONE

ENDOCRINE SYSTEM

NONE

GENERAL BODY SYSTEM

NONE

GENITAL SYSTEM

NONE

HEMATOPOIETIC SYSTEM

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DAY ON TEST	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	9	9	9	9	9	9	9	9	9	9
	4	4	4	4	4	4	4	4	4	4
.....										
FISCHER 344 RATS MALE	0	0	0	0	0	0	0	0	0	0
ANIMAL ID	0	0	0	0	0	0	0	0	0	0
18.75 MG/KG	0	0	0	0	0	0	0	0	0	0
	1	1	1	1	1	1	1	1	1	2
	1	2	3	4	5	6	7	8	9	0
										* TOTALS

Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	10
Lipidosis						1		1			2 1.0
Lymphatic, Ectasia						1		1			2 1.0

INTEGUMENTARY SYSTEM

NONE

MUSCULOSKELETAL SYSTEM

NONE

NERVOUS SYSTEM

NONE

RESPIRATORY SYSTEM

NONE

SPECIAL SENSES SYSTEM

NONE

URINARY SYSTEM

NONE

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	0	0	0	0	0	0	0	0	0	0
	9	9	9	9	9	9	9	9	9	9
	4	4	4	4	4	4	4	4	4	4
.....										
FISCHER 344 RATS MALE	0	0	0	0	0	0	0	0	0	0
ANIMAL ID	0	0	0	0	0	0	0	0	0	0
37.5 MG/KG	0	0	0	0	0	0	0	0	0	0
	2	2	2	2	2	2	2	2	2	3
	1	2	3	4	5	6	7	8	9	0
										* TOTALS

ALIMENTARY SYSTEM

Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	10	
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	+	10	
Lamina Propria, Lipidosis	1											1 1.0
Lymphatic, Ectasia	1											1 1.0
Liver	+	+	+	+	+	+	+	+	+	+	10	
Hepatodiaphragmatic Nodule						X						1
Hepatocyte, Vacuolization Cytoplasmic				2				1				2 1.5

CARDIOVASCULAR SYSTEM

NONE

ENDOCRINE SYSTEM

NONE

GENERAL BODY SYSTEM

NONE

GENITAL SYSTEM

NONE

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	0	0	0	0	0	0	0	0	0	0
	9	9	9	9	9	9	9	9	9	9
	4	4	4	4	4	4	4	4	4	4
.....										
FISCHER 344 RATS MALE	0	0	0	0	0	0	0	0	0	0
ANIMAL ID	0	0	0	0	0	0	0	0	0	0
37.5 MG/KG	0	0	0	0	0	0	0	0	0	0
	2	2	2	2	2	2	2	2	2	3
	1	2	3	4	5	6	7	8	9	0
										* TOTALS

HEMATOPOIETIC SYSTEM

Lymph Node, Mesenteric	+	+	+	+	I	+	+	+	+	+	9
Lipidosis								1			1 1.0
Lymphatic, Ectasia								1			1 1.0

INTEGUMENTARY SYSTEM

NONE

MUSCULOSKELETAL SYSTEM

NONE

NERVOUS SYSTEM

NONE

RESPIRATORY SYSTEM

NONE

SPECIAL SENSES SYSTEM

NONE

URINARY SYSTEM

NONE

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	9	9	9	9	9	9	9	9	9	9
	4	4	4	4	4	4	4	4	4	4
.....										
FISCHER 344 RATS MALE	0	0	0	0	0	0	0	0	0	0
ANIMAL ID	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
75 MG/KG	3	3	3	3	3	3	3	3	3	4
	1	2	3	4	5	6	7	8	9	0
	* TOTALS									

ALIMENTARY SYSTEM

Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	10
Lamina Propria, Lipidosis										1	1 1.0
Lymphatic, Ectasia										1	1 1.0
.....											
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	+	10
Lamina Propria, Lipidosis	1	1		1	1			1			5 1.0
Lymphatic, Ectasia	1	1		1	1			1			5 1.0
.....											
Liver	+	+	+	+	+	+	+	+	+	+	10
Hemorrhage										1	1 1.0
Hepatodiaphragmatic Nodule										X	1
Capsule, Fibrosis										1	1 1.0
Hepatocyte, Necrosis										1	1 1.0
Hepatocyte, Vacuolization Cytoplasmic						1		1	1	1	4 1.0

CARDIOVASCULAR SYSTEM

NONE

ENDOCRINE SYSTEM

NONE

GENERAL BODY SYSTEM

NONE

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	0	0	0	0	0	0	0	0	0	0	
	9	9	9	9	9	9	9	9	9	9	
	4	4	4	4	4	4	4	4	4	4	
.....											
FISCHER 344 RATS MALE	0	0	0	0	0	0	0	0	0	0	
ANIMAL ID	0	0	0	0	0	0	0	0	0	0	
75 MG/KG	0	0	0	0	0	0	0	0	0	0	
	3	3	3	3	3	3	3	3	3	4	
	1	2	3	4	5	6	7	8	9	0	* TOTALS

GENITAL SYSTEM
 NONE

HEMATOPOIETIC SYSTEM

Lymph Node, Mesenteric

+ + + + + + + + + +

10

INTEGUMENTARY SYSTEM
 NONE

MUSCULOSKELETAL SYSTEM
 NONE

NERVOUS SYSTEM
 NONE

RESPIRATORY SYSTEM
 NONE

SPECIAL SENSES SYSTEM
 NONE

URINARY SYSTEM

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 First Dose M/F: 08/31/04 / 08/30/04
 Lab: SRI

DAY ON TEST		0	0	0	0	0	0	0	0	0	0
DAY ON TEST		0	0	0	0	0	0	0	0	0	0
DAY ON TEST		9	9	9	9	9	9	9	9	9	9
DAY ON TEST		4	4	4	4	4	4	4	4	4	4
.....											
FISCHER 344 RATS MALE	ANIMAL ID	0	0	0	0	0	0	0	0	0	0
75 MG/KG	ANIMAL ID	0	0	0	0	0	0	0	0	0	0
	ANIMAL ID	3	3	3	3	3	3	3	3	3	4
	ANIMAL ID	1	2	3	4	5	6	7	8	9	0
											* TOTALS
NONE											

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
 x .. Lesion present
 I .. Insufficient tissue
 M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically
 1-4 .. Lesion qualified as:
 1) Minimal 3) Moderate
 2) Mild 4) Marked

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

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 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

DAY ON TEST	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	9	9	9	9	9	9	9	9	9	9
	4	4	4	4	4	4	4	4	4	4
<hr/>										
FISCHER 344 RATS MALE	0	0	0	0	0	0	0	0	0	0
ANIMAL ID	0	0	0	0	0	0	0	0	0	0
150 MG/KG	0	0	0	0	0	0	0	0	0	0
	4	4	4	4	4	4	4	4	4	5
	1	2	3	4	5	6	7	8	9	0
										* TOTALS

ALIMENTARY SYSTEM

Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	10	
Lamina Propria, Lipidosis	2	1	1	2	1	1	1	1	1	1		10 1.2
Lymphatic, Ectasia	2	1	1	2	1	1	1	1	1	1		10 1.2
<hr/>												
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	+	10	
Lamina Propria, Lipidosis	2	2	2	3	2	2	2	3	2	3		10 2.3
Lymphatic, Ectasia	2	2	2	3	2	2	2	3	2	3		10 2.3
<hr/>												
Liver	+	+	+	+	+	+	+	+	+	+	10	
Hepatocyte, Necrosis								1				1 1.0
Hepatocyte, Vacuolization Cytoplasmic		1		1								2 1.0

CARDIOVASCULAR SYSTEM

NONE

ENDOCRINE SYSTEM

NONE

GENERAL BODY SYSTEM

NONE

GENITAL SYSTEM

NONE

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

x .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

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

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 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

DAY ON TEST	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	9	9	9	9	9	9	9	9	9	9
	4	4	4	4	4	4	4	4	4	4
.....										
FISCHER 344 RATS MALE	0	0	0	0	0	0	0	0	0	0
ANIMAL ID	0	0	0	0	0	0	0	0	0	0
150 MG/KG	0	0	0	0	0	0	0	0	0	0
	4	4	4	4	4	4	4	4	4	5
	1	2	3	4	5	6	7	8	9	0
										* TOTALS

HEMATOPOIETIC SYSTEM

Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	10
Lipidosis	1	2		2	1		1				5 1.4
Lymphatic, Ectasia	1	2		2	1		1				5 1.4

INTEGUMENTARY SYSTEM

NONE

MUSCULOSKELETAL SYSTEM

NONE

NERVOUS SYSTEM

NONE

RESPIRATORY SYSTEM

NONE

SPECIAL SENSES SYSTEM

NONE

URINARY SYSTEM

NONE

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

x .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

Page 15

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

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

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 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

DAY ON TEST	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	9	9	9	9	9	9	9	9	9	9
	4	4	4	4	4	4	4	4	4	4
.....										
FISCHER 344 RATS MALE	0	0	0	0	0	0	0	0	0	0
ANIMAL ID	0	0	0	0	0	0	0	0	0	0
150 MG/KG	0	0	0	0	0	0	0	0	0	0
	4	4	4	4	4	4	4	4	4	5
	1	2	3	4	5	6	7	8	9	0
										* TOTALS

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
 x .. Lesion present
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TDMS No. 20006 - 01
 Test Type: 90-DAY
 Route: GAVAGE
 Species/Strain: RATS/F 344

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 INDOLE-3-CARBINOL
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DAY ON TEST	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	9	9	9	9	9	9	9	9	9	9
	4	4	4	4	4	4	4	4	4	4
.....										
FISCHER 344 RATS MALE	0	0	0	0	0	0	0	0	0	0
ANIMAL ID	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
300 MG/KG	5	5	5	5	5	5	5	5	5	6
	1	2	3	4	5	6	7	8	9	0
										* TOTALS

ALIMENTARY SYSTEM

Esophagus	M	+	+	+	+	+	+	+	+	+	9	
Inflammation, Chronic						1						1 1.0
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	10	
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	10	
Intestine Large, Rectum	+	+	+	+	+	+	M	+	+	+	9	
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	10	
Lamina Propria, Lipidosis	1	3	3	3	2	2	3	1	2	2		10 2.2
Lymphatic, Ectasia	1	3	3	3	2	2	3	1	2	2		10 2.2
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	+	10	
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	+	10	
Lamina Propria, Lipidosis	4	4	4	3	4	4	2	3	3	4		10 3.5
Lymphatic, Ectasia	4	4	4	3	4	4	2	3	3	4		10 3.5
Liver	+	+	+	+	+	+	+	+	+	+	10	
Infiltration Cellular, Mixed Cell							1					1 1.0
Hepatocyte, Vacuolization Cytoplasmic	1				1							2 1.0
Pancreas	+	+	+	+	+	+	+	+	+	+	10	

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1-4 .. Lesion qualified as:

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

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 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

DAY ON TEST	0	0	0	0	0	0	0	0	0	0	* TOTALS
	0	0	0	0	0	0	0	0	0	0	
	9	9	9	9	9	9	9	9	9	9	
	4	4	4	4	4	4	4	4	4	4	
FISCHER 344 RATS MALE	0	0	0	0	0	0	0	0	0	0	
300 MG/KG	0	0	0	0	0	0	0	0	0	0	
ANIMAL ID	0	0	0	0	0	0	0	0	0	0	
	5	5	5	5	5	5	5	5	5	6	
	1	2	3	4	5	6	7	8	9	0	
Salivary Glands	+	+	+	+	+	+	+	+	+	+	10
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	10
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	10
CARDIOVASCULAR SYSTEM											
Heart	+	+	+	+	+	+	+	+	+	+	10
Cardiomyopathy					1		1		1		3 1.0
Infiltration Cellular, Mixed Cell		1	1					1			3 1.0
ENDOCRINE SYSTEM											
Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	10
Accessory Adrenal Cortical Nodule								1			1 1.0
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	10
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	10
Parathyroid Gland	+	+	+	+	+	+	+	+	+	+	10
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	10
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	10

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 + .. Tissue examined microscopically
 x .. Lesion present
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 1-4 .. Lesion qualified as:
 1) Minimal 3) Moderate
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TDMS No. 20006 - 01
 Test Type: 90-DAY
 Route: GAVAGE
 Species/Strain: RATS/F 344

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 INDOLE-3-CARBINOL
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Date Report Reqsted: 06/04/2007
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 Lab: SRI

DAY ON TEST	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	9	9	9	9	9	9	9	9	9	9
	4	4	4	4	4	4	4	4	4	4
.....										
FISCHER 344 RATS MALE	0	0	0	0	0	0	0	0	0	0
ANIMAL ID	0	0	0	0	0	0	0	0	0	0
300 MG/KG	0	0	0	0	0	0	0	0	0	0
	5	5	5	5	5	5	5	5	5	6
	1	2	3	4	5	6	7	8	9	0
										* TOTALS

GENERAL BODY SYSTEM
 NONE

GENITAL SYSTEM

Epididymis	+	+	+	+	+	+	+	+	+	+	10
Preputial Gland	+	+	+	+	+	+	+	+	+	+	10
Prostate	+	+	+	+	+	+	+	+	+	+	10
Seminal Vesicle	+	+	+	+	+	+	+	+	+	+	10
Testes	+	+	+	+	+	+	+	+	+	+	10

HEMATOPOIETIC SYSTEM

Bone Marrow	+	+	+	+	+	+	+	+	+	+	10
Lymph Node, Mandibular	M	M	M	M	M	M	M	+	M	+	2
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	10
Hemorrhage						1					1 1.0
Lipidosis	4	2	2	4	3	3	3	3	3	3	10 3.0

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Page 19

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

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

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 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

DAY ON TEST	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	
	9	9	9	9	9	9	9	9	9	9	9	
	4	4	4	4	4	4	4	4	4	4	4	
<hr/>												
FISCHER 344 RATS MALE	0	0	0	0	0	0	0	0	0	0	0	
ANIMAL ID	0	0	0	0	0	0	0	0	0	0	0	
300 MG/KG	0	0	0	0	0	0	0	0	0	0	0	
	5	5	5	5	5	5	5	5	5	5	6	
	1	2	3	4	5	6	7	8	9	0		* TOTALS
Lymphatic, Ectasia	4	2	2	4	3	3	3	3	3	3	3	10 3.0
Spleen Pigmentation	+	+	+	+	+	+	+	+	+	+	+	10 1 1.0
Thymus	+	+	+	M	+	+	+	+	+	+	+	9
<hr/>												
INTEGUMENTARY SYSTEM												
Mammary Gland	+	+	+	+	+	+		+		+		8
Skin	+	+	+	+	+	+	+	+	+	+		10
<hr/>												
MUSCULOSKELETAL SYSTEM												
Bone	+	+	+	+	+	+	+	+	+	+		10
<hr/>												
NERVOUS SYSTEM												
Brain	+	+	+	+	+	+	+	+	+	+		10
<hr/>												
RESPIRATORY SYSTEM												
Lung Hemorrhage	+	+	+	+	+	+	+	+	+	+		10 1 2.0

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 | .. Insufficient tissue
 M .. Missing tissue
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 2) Mild 4) Marked

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

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
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 Lab: SRI

DAY ON TEST	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	9	9	9	9	9	9	9	9	9	9	
	4	4	4	4	4	4	4	4	4	4	
<hr/>											
FISCHER 344 RATS MALE	0	0	0	0	0	0	0	0	0	0	
ANIMAL ID	0	0	0	0	0	0	0	0	0	0	
300 MG/KG	0	0	0	0	0	0	0	0	0	0	
	5	5	5	5	5	5	5	5	5	6	
	1	2	3	4	5	6	7	8	9	0	
											* TOTALS
<hr/>											
Nose	+	+	+	+	+	+	+	+	+	+	10
Trachea	+	+	+	+	+	+	+	+	+	+	10
<hr/>											
SPECIAL SENSES SYSTEM											
<hr/>											
Eye	+	+	+	+	+	+	+	+	+	+	10
Harderian Gland Inflammation, Chronic	+	+	+	+	+	+	+	+	+	+	10
				1							1 1.0
<hr/>											
URINARY SYSTEM											
<hr/>											
Kidney Nephropathy	+	+	+	+	+	+	+	+	+	+	10
							1	1			2 1.0
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	10
<hr/>											

*** END OF MALE DATA ***

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

x .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

Page 21

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

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

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 INDOLE-3-CARBINOL
 CAS Number: 700-06-1

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

DAY ON TEST	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	9	9	9	9	9	9	9	9	9	9
	4	4	4	4	4	4	4	4	4	4
FISCHER 344 RATS FEMALE	0	0	0	0	0	0	0	0	0	0
0 MG/KG	0	0	0	0	0	0	0	0	0	0
ANIMAL ID	0	0	0	0	0	0	0	0	0	0
	6	6	6	6	6	6	6	6	6	7
	1	2	3	4	5	6	7	8	9	0
	* TOTALS									

ALIMENTARY SYSTEM

Esophagus	+	+	+	+	+	+	+	+	+	M	9
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	10
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	10
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	10
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	10
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	+	10
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	+	10
Liver	+	+	+	+	+	+	+	+	+	+	10
Eosinophilic Focus								X			1
Infiltration Cellular, Mixed Cell	1		2								2 1.5
Pancreas	+	+	+	+	+	+	+	+	+	+	10
Salivary Glands	+	+	+	+	+	+	+	+	+	+	10
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	10

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+ .. Tissue examined microscopically

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Page 22

1-4 .. Lesion qualified as:

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

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
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DAY ON TEST	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	9	9	9	9	9	9	9	9	9	9
	4	4	4	4	4	4	4	4	4	4
.....										
FISCHER 344 RATS FEMALE	0	0	0	0	0	0	0	0	0	0
ANIMAL ID	0	0	0	0	0	0	0	0	0	0
0 MG/KG	0	0	0	0	0	0	0	0	0	0
	6	6	6	6	6	6	6	6	6	7
	1	2	3	4	5	6	7	8	9	0
										* TOTALS
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+
										10

CARDIOVASCULAR SYSTEM

Heart	+	+	+	+	+	+	+	+	+	+	10
Cardiomyopathy	1			1							2 1.0

ENDOCRINE SYSTEM

Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	10
Accessory Adrenal Cortical Nodule			1		1						2 1.0
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	10
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	10
Parathyroid Gland	+	+	+	+	+	+	+	+	+	+	10
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	10
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	10

GENERAL BODY SYSTEM

NONE											
------	--	--	--	--	--	--	--	--	--	--	--

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
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 BLANK .. Not examined microscopically
 1-4 .. Lesion qualified as:
 1) Minimal 3) Moderate
 2) Mild 4) Marked
 Page 23

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

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 INDOLE-3-CARBINOL
 CAS Number: 700-06-1

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 First Dose M/F: 08/31/04 / 08/30/04
 Lab: SRI

DAY ON TEST	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	9	9	9	9	9	9	9	9	9	9
	4	4	4	4	4	4	4	4	4	4
FISCHER 344 RATS FEMALE	0	0	0	0	0	0	0	0	0	0
0 MG/KG	0	0	0	0	0	0	0	0	0	0
ANIMAL ID	0	0	0	0	0	0	0	0	0	0
	6	6	6	6	6	6	6	6	7	
	1	2	3	4	5	6	7	8	9	0
										* TOTALS

GENITAL SYSTEM

Clitoral Gland	+	+	+	+	+	+	+	+	+	+	10
Ovary	+	+	+	+	+	+	+	+	+	+	10
Uterus	+	+	+	+	+	+	+	+	+	+	10

HEMATOPOIETIC SYSTEM

Bone Marrow	+	+	+	+	+	+	+	+	+	+	10
Lymph Node, Mandibular	M	M	M	M	M	M	M	M	M	M	0
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	10
Spleen	+	+	+	+	+	+	+	+	+	+	10
Pigmentation			2					2			2 2.0
Thymus	+	+	+	+	+	+	+	+	+	+	10

INTEGUMENTARY SYSTEM

Mammary Gland	+	+	+	+	+	+	+	+	+	+	10
---------------	---	---	---	---	---	---	---	---	---	---	-----------

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

x .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

Page 24

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

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

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 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

DAY ON TEST	0	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	0	
	9	9	9	9	9	9	9	9	9	9	9	9	9	
	4	4	4	4	4	4	4	4	4	4	4	4	4	
.....														
FISCHER 344 RATS FEMALE	0	0	0	0	0	0	0	0	0	0	0	0	0	
ANIMAL ID	0	0	0	0	0	0	0	0	0	0	0	0	0	
0 MG/KG	0	0	0	0	0	0	0	0	0	0	0	0	0	
	6	6	6	6	6	6	6	6	6	6	6	7	0	
	1	2	3	4	5	6	7	8	9					
													* TOTALS	
Skin	+	+	+	+	+	+	+	+	+	+	+	+	+	10
.....														
MUSCULOSKELETAL SYSTEM														
Bone	+	+	+	+	+	+	+	+	+	+	+	+	+	10
.....														
NERVOUS SYSTEM														
Brain	+	+	+	+	+	+	+	+	+	+	+	+	+	10
.....														
RESPIRATORY SYSTEM														
Lung	+	+	+	+	+	+	+	+	+	+	+	+	+	10
Hemorrhage	2													1 2.0
Nose	+	+	+	+	+	+	+	+	+	+	+	+	+	10
Inflammation, Chronic												1		1 1.0
Trachea	+	+	+	+	+	+	+	+	+	+	+	+	+	10
.....														
SPECIAL SENSES SYSTEM														
Eye	+	+	+	+	+	+	+	M	+	+				9
Harderian Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	10

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
 x .. Lesion present
 I .. Insufficient tissue
 M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically
 1-4 .. Lesion qualified as:
 1) Minimal 3) Moderate
 2) Mild 4) Marked

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

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 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

DAY ON TEST	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	9	9	9	9	9	9	9	9	9	9
	4	4	4	4	4	4	4	4	4	4
.....										
FISCHER 344 RATS FEMALE	0	0	0	0	0	0	0	0	0	0
ANIMAL ID	0	0	0	0	0	0	0	0	0	0
0 MG/KG	0	0	0	0	0	0	0	0	0	0
	6	6	6	6	6	6	6	6	6	7
	1	2	3	4	5	6	7	8	9	0
										* TOTALS

URINARY SYSTEM

Kidney	+	+	+	+	+	+	+	+	+	+	10
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	10

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

x .. Lesion present

l .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

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

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 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

DAY ON TEST	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	9	9	9	9	9	9	9	9	9	9
	4	4	4	4	4	4	4	4	4	4
.....										
FISCHER 344 RATS FEMALE	0	0	0	0	0	0	0	0	0	0
ANIMAL ID	0	0	0	0	0	0	0	0	0	0
18.75 MG/KG	0	0	0	0	0	0	0	0	0	0
	7	7	7	7	7	7	7	7	7	8
	1	2	3	4	5	6	7	8	9	0
										* TOTALS

ALIMENTARY SYSTEM

Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	10
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	+	10
Liver	+	+	+	+	+	+	+	+	+	+	10
Infiltration Cellular, Mixed Cell						1					1 1.0

CARDIOVASCULAR SYSTEM

NONE

ENDOCRINE SYSTEM

NONE

GENERAL BODY SYSTEM

NONE

GENITAL SYSTEM

Clitoral Gland							+				1
Uterus								+			1

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

x .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

Page 27

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

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

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 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

DAY ON TEST	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	9	9	9	9	9	9	9	9	9	9	
	4	4	4	4	4	4	4	4	4	4	
FISCHER 344 RATS FEMALE	0	0	0	0	0	0	0	0	0	0	
ANIMAL ID	0	0	0	0	0	0	0	0	0	0	
18.75 MG/KG	0	0	0	0	0	0	0	0	0	0	
	7	7	7	7	7	7	7	7	7	8	
	1	2	3	4	5	6	7	8	9	0	* TOTALS

HEMATOPOIETIC SYSTEM

Lymph Node, Mesenteric + + + + + + + + + + **10**

INTEGUMENTARY SYSTEM

NONE

MUSCULOSKELETAL SYSTEM

NONE

NERVOUS SYSTEM

NONE

RESPIRATORY SYSTEM

NONE

SPECIAL SENSES SYSTEM

NONE

URINARY SYSTEM

NONE

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
 x .. Lesion present
 I .. Insufficient tissue
 M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically
 1-4 .. Lesion qualified as:
 1) Minimal 3) Moderate
 2) Mild 4) Marked
 Page 28

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

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 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

DAY ON TEST	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	9	9	9	9	9	9	9	9	9	9
	4	4	4	4	4	4	4	4	4	4
.....										
FISCHER 344 RATS FEMALE	0	0	0	0	0	0	0	0	0	0
ANIMAL ID	0	0	0	0	0	0	0	0	0	0
37.5 MG/KG	0	0	0	0	0	0	0	0	0	0
	8	8	8	8	8	8	8	8	8	9
	1	2	3	4	5	6	7	8	9	0
										* TOTALS

ALIMENTARY SYSTEM

Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	10	
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	+	10	
Lamina Propria, Lipidosis										1		1 1.0
Lymphatic, Ectasia										1		1 1.0
.....												
Liver	+	+	+	+	+	+	+	+	+	+	10	
Infiltration Cellular, Mixed Cell		1				1						2 1.0
.....												
Mesentery										+	1	
Fat, Necrosis										3		1 3.0

CARDIOVASCULAR SYSTEM

NONE

ENDOCRINE SYSTEM

Pituitary Gland												1	
Rathke's Cleft, Hemorrhage										2			1 2.0

GENERAL BODY SYSTEM

NONE

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

x .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

Page 29

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

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

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 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

DAY ON TEST	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	9	9	9	9	9	9	9	9	9	9
	4	4	4	4	4	4	4	4	4	4
<hr/>										
FISCHER 344 RATS FEMALE	0	0	0	0	0	0	0	0	0	0
ANIMAL ID	0	0	0	0	0	0	0	0	0	0
37.5 MG/KG	0	0	0	0	0	0	0	0	0	0
	8	8	8	8	8	8	8	8	8	9
	1	2	3	4	5	6	7	8	9	0
										* TOTALS

GENITAL SYSTEM

Uterus + + 2

HEMATOPOIETIC SYSTEM

Lymph Node + 1
 Mediastinal, Hemorrhage 2 1 2.0
 Mediastinal, Hyperplasia, Lymphoid 4 1 4.0
 Lymph Node, Mesenteric + + + + + + + + + 10

INTEGUMENTARY SYSTEM

NONE

MUSCULOSKELETAL SYSTEM

NONE

NERVOUS SYSTEM

NONE

RESPIRATORY SYSTEM

NONE

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
 x .. Lesion present
 I .. Insufficient tissue
 M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically
 1-4 .. Lesion qualified as:
 1) Minimal 3) Moderate
 2) Mild 4) Marked
 Page 30

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

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 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

DAY ON TEST	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	9	9	9	9	9	9	9	9	9	9	
	4	4	4	4	4	4	4	4	4	4	
.....											
FISCHER 344 RATS FEMALE	0	0	0	0	0	0	0	0	0	0	
ANIMAL ID	0	0	0	0	0	0	0	0	0	0	
37.5 MG/KG	0	0	0	0	0	0	0	0	0	0	
	8	8	8	8	8	8	8	8	8	9	
	1	2	3	4	5	6	7	8	9	0	* TOTALS

SPECIAL SENSES SYSTEM
 NONE

URINARY SYSTEM
 NONE

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

x .. Lesion present

l .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

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

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 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

DAY ON TEST	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	9	9	9	9	9	9	9	9	9	9
	4	4	4	4	4	4	4	4	4	4
FISCHER 344 RATS FEMALE	0	0	0	0	0	0	0	0	0	0
ANIMAL ID	0	0	0	0	0	0	0	0	0	0
75 MG/KG	0	0	0	0	0	0	0	0	0	1
	9	9	9	9	9	9	9	9	9	0
	1	2	3	4	5	6	7	8	9	0
	* TOTALS									

ALIMENTARY SYSTEM

Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	10
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	+	10
Lamina Propria, Lipidosis	1	1	1	1	1	1	1	1	1	1	10 1.0
Lymphatic, Ectasia	1	1	1	1	1	1	1	1	1	1	10 1.0
Liver	+	+	+	+	+	+	+	+	+	+	10
Hemorrhage										1	1 1.0
Hepatodiaphragmatic Nodule										X	1

CARDIOVASCULAR SYSTEM

NONE

ENDOCRINE SYSTEM

NONE

GENERAL BODY SYSTEM

NONE

GENITAL SYSTEM

Clitoral Gland	+										1
----------------	---	--	--	--	--	--	--	--	--	--	---

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

x .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

Page 32

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

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

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 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

DAY ON TEST	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	
	9	9	9	9	9	9	9	9	9	9	9	
	4	4	4	4	4	4	4	4	4	4	4	
.....												
FISCHER 344 RATS FEMALE	0	0	0	0	0	0	0	0	0	0	0	
ANIMAL ID	0	0	0	0	0	0	0	0	0	0	0	
75 MG/KG	0	0	0	0	0	0	0	0	0	0	1	
	9	9	9	9	9	9	9	9	9	9	0	
	1	2	3	4	5	6	7	8	9	0		* TOTALS
Uterus											+	1
.....												
HEMATOPOIETIC SYSTEM												
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	+	10
.....												
INTEGUMENTARY SYSTEM												
NONE												
.....												
MUSCULOSKELETAL SYSTEM												
NONE												
.....												
NERVOUS SYSTEM												
NONE												
.....												
RESPIRATORY SYSTEM												
NONE												
.....												
SPECIAL SENSES SYSTEM												
NONE												
.....												
URINARY SYSTEM												
NONE												

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
 x .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:
 1) Minimal 3) Moderate
 2) Mild 4) Marked

Page 33

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

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 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

DAY ON TEST	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	9	9	9	9	9	9	9	9	9	9
	4	4	4	4	4	4	4	4	4	4
.....										
FISCHER 344 RATS FEMALE	0	0	0	0	0	0	0	0	0	0
ANIMAL ID	0	0	0	0	0	0	0	0	0	0
150 MG/KG	1	1	1	1	1	1	1	1	1	1
	0	0	0	0	0	0	0	0	0	1
	1	2	3	4	5	6	7	8	9	0
										* TOTALS

ALIMENTARY SYSTEM

Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	10	
Lamina Propria, Lipidosis	1	1		1	1	1	1	1	1	1		9 1.0
Lymphatic, Ectasia	1	1		1	1	1	1	1	1	1		9 1.0
.....												
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	+	10	
Lamina Propria, Lipidosis	3	2	2	2	1	2	2	1	2	1		10 1.8
Lymphatic, Ectasia	3	2	2	2	1	2	2	1	2	1		10 1.8
.....												
Liver	+	+	+	+	+	+	+	+	+	+	10	
Hepatodiaphragmatic Nodule					X		X					2
Infiltration Cellular, Mixed Cell						1	1					2 1.0
.....												
Mesentery									+		1	
Fat, Necrosis									2			1 2.0

CARDIOVASCULAR SYSTEM

NONE

ENDOCRINE SYSTEM

NONE

GENERAL BODY SYSTEM

NONE

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

x .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

Page 34

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

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

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 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

DAY ON TEST	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	9	9	9	9	9	9	9	9	9	9	
	4	4	4	4	4	4	4	4	4	4	
.....											
FISCHER 344 RATS FEMALE	0	0	0	0	0	0	0	0	0	0	
ANIMAL ID	0	0	0	0	0	0	0	0	0	0	
150 MG/KG	1	1	1	1	1	1	1	1	1	1	
	0	0	0	0	0	0	0	0	0	1	
	1	2	3	4	5	6	7	8	9	0	* TOTALS

GENITAL SYSTEM
 NONE

HEMATOPOIETIC SYSTEM

Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	10
Lipidosis		1				1		2			3 1.3
Lymphatic, Ectasia		1				1		2			3 1.3

INTEGUMENTARY SYSTEM
 NONE

MUSCULOSKELETAL SYSTEM
 NONE

NERVOUS SYSTEM
 NONE

RESPIRATORY SYSTEM
 NONE

SPECIAL SENSES SYSTEM
 NONE

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
 x .. Lesion present
 I .. Insufficient tissue
 M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically
 1-4 .. Lesion qualified as:
 1) Minimal 3) Moderate
 2) Mild 4) Marked
 Page 35

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

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 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

DAY ON TEST	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	9	9	9	9	9	9	9	9	9	9	
	4	4	4	4	4	4	4	4	4	4	
.....											
FISCHER 344 RATS FEMALE	0	0	0	0	0	0	0	0	0	0	
ANIMAL ID	0	0	0	0	0	0	0	0	0	0	
150 MG/KG	1	1	1	1	1	1	1	1	1	1	
	0	0	0	0	0	0	0	0	0	1	
	1	2	3	4	5	6	7	8	9	0	* TOTALS

URINARY SYSTEM
 NONE

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
 x .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:
 1) Minimal 3) Moderate
 2) Mild 4) Marked

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

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 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

DAY ON TEST	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	9	9	9	9	9	9	9	9	9	9
	4	4	4	4	4	4	4	4	4	4
FISCHER 344 RATS FEMALE	0	0	0	0	0	0	0	0	0	0
ANIMAL ID	0	0	0	0	0	0	0	0	0	0
300 MG/KG	1	1	1	1	1	1	1	1	1	1
	1	1	1	1	1	1	1	1	1	2
	1	2	3	4	5	6	7	8	9	0
	* TOTALS									

ALIMENTARY SYSTEM

Esophagus	+	+	+	+	+	+	+	+	+	+	10	
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	10	
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	10	
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	10	
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	10	
Lamina Propria, Lipidosis	3	2	2	3	2	3	2	2	2	3		10 2.4
Lymphatic, Ectasia	3	2	2	3	2	3	2	2	2	3		10 2.4
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	+	10	
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	+	10	
Lamina Propria, Lipidosis	2	4	3	4	3	3	3	3	3	2		10 3.0
Lymphatic, Ectasia	2	4	3	4	3	3	3	3	3	2		10 3.0
Liver	+	+	+	+	+	+	+	+	+	+	10	
Mesentery						+					1	
Fat, Necrosis						2						1 2.0
Pancreas	+	+	+	+	+	+	+	+	+	+	10	
Atrophy					1					1		2 1.0

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

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 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

DAY ON TEST	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0
	9	9	9	9	9	9	9	9	9	9	9
	4	4	4	4	4	4	4	4	4	4	4
<hr/>											
FISCHER 344 RATS FEMALE	0	0	0	0	0	0	0	0	0	0	0
ANIMAL ID	0	0	0	0	0	0	0	0	0	0	0
300 MG/KG	1	1	1	1	1	1	1	1	1	1	1
	1	1	1	1	1	1	1	1	1	1	2
	1	2	3	4	5	6	7	8	9	0	
											* TOTALS
<hr/>											
Salivary Glands	+	+	+	+	+	+	+	+	+	+	10
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	10
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	10
<hr/>											
CARDIOVASCULAR SYSTEM											
<hr/>											
Heart	+	+	+	+	+	+	+	+	+	+	10
<hr/>											
ENDOCRINE SYSTEM											
<hr/>											
Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	10
Accessory Adrenal Cortical Nodule	1										1 1.0
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	10
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	10
Parathyroid Gland	+	+	+	+	+	+	+	+	+	+	10
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	10
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	10

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 Species/Strain: RATS/F 344

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DAY ON TEST	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	9	9	9	9	9	9	9	9	9	9
	4	4	4	4	4	4	4	4	4	4
FISCHER 344 RATS FEMALE	0	0	0	0	0	0	0	0	0	0
ANIMAL ID	0	0	0	0	0	0	0	0	0	0
300 MG/KG	1	1	1	1	1	1	1	1	1	1
	1	1	1	1	1	1	1	1	1	2
	1	2	3	4	5	6	7	8	9	0
	* TOTALS									

GENERAL BODY SYSTEM
 NONE

GENITAL SYSTEM

Clitoral Gland	+	+	+	+	+	+	+	+	+	+	10
Ovary	+	+	+	+	+	+	+	+	+	+	10
Cyst			X								1
Uterus	+	+	+	+	+	+	+	+	+	+	10

HEMATOPOIETIC SYSTEM

Bone Marrow	+	+	+	+	+	+	+	+	+	+	10
Lymph Node, Mandibular	M	M	M	M	M	M	M	M	M	M	0
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	10
Lipidosis	3	3	4	3	3	4	3		3	3	9 3.2
Lymphatic, Ectasia	3	3	4	3	3	4	3		3	3	9 3.2
Spleen	+	+	+	+	+	+	+	+	+	+	10
Pigmentation	2	2		2				1			4 1.8

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TDMS No. 20006 - 01
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 Lab: SRI

DAY ON TEST	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	
	9	9	9	9	9	9	9	9	9	9	9	
	4	4	4	4	4	4	4	4	4	4	4	
.....												
FISCHER 344 RATS FEMALE	0	0	0	0	0	0	0	0	0	0	0	
ANIMAL ID	0	0	0	0	0	0	0	0	0	0	0	
300 MG/KG	1	1	1	1	1	1	1	1	1	1	1	
	1	1	1	1	1	1	1	1	1	1	2	
	1	2	3	4	5	6	7	8	9	0		* TOTALS
Thymus	+	+	+	+	+	+	+	+	+	+	+	10
.....												
INTEGUMENTARY SYSTEM												
Mammary Gland	+	+	+	+	+	+	+	+	+	+	+	10
Skin	+	+	+	+	+	+	+	+	+	+	+	10
Cyst Epithelial Inclusion											X	1
.....												
MUSCULOSKELETAL SYSTEM												
Bone	+	+	+	+	+	+	+	+	+	+	+	10
.....												
NERVOUS SYSTEM												
Brain	+	+	+	+	+	+	+	+	+	+	+	10
.....												
RESPIRATORY SYSTEM												
Lung	+	+	+	+	+	+	+	+	+	+	+	10
Hemorrhage											2	1 2.0
Nose	+	+	+	+	+	+	+	+	+	+	+	10
Inflammation, Chronic				1								1 1.0

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DAY ON TEST	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	
	9	9	9	9	9	9	9	9	9	9	9	
	4	4	4	4	4	4	4	4	4	4	4	
.....												
FISCHER 344 RATS FEMALE	0	0	0	0	0	0	0	0	0	0	0	
ANIMAL ID	0	0	0	0	0	0	0	0	0	0	0	
300 MG/KG	1	1	1	1	1	1	1	1	1	1	1	
	1	1	1	1	1	1	1	1	1	1	2	
	1	2	3	4	5	6	7	8	9	0		* TOTALS
Trachea	+	+	+	+	+	+	+	+	+	+	+	10
.....												
SPECIAL SENSES SYSTEM												
Eye	+	+	+	+	+	+	+	+	+	+	+	10
Harderian Gland	+	+	+	+	+	+	+	+	+	+	+	10
Inflammation, Suppurative											2	1 2.0
.....												
URINARY SYSTEM												
Kidney	+	+	+	+	+	+	+	+	+	+	+	10
Nephropathy							1				1	2 1.0
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	+	10

*** END OF REPORT ***

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

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