

**TDMS No.** 20203 - 01

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

**Date Report Requested:** 04/15/2009

**Test Type:** 90-DAY

Green tea extract

**Time Report Requested:** 08:55:05

**Route:** GAVAGE

**CAS Number:** GREENTEAEXTR

**First Dose M/F:** 04/17/06 / 04/18/06

**Species/Strain:** RATS/F344/N Tac

**Lab:** BAT

F\_RD

**C Number:** C20203  
**Lock Date:** 11/14/2006  
**Cage Range:** ALL  
**Date Range:** ALL  
**Reasons For Removal:** ALL  
**Removal Date Range:** ALL  
**Treatment Groups:** Include ALL  
**Study Gender:** Both  
**TDMSE Version:** 2.1.0

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Species/Strain: RATS/F344/N Tac

Lab: BAT

Fischer 344-Taconic RATS MALE	0 mg/kg	62.5 mg/kg	125 mg/kg	250 mg/kg	500 mg/kg	1000 mg/kg
<b>Disposition Summary</b>						
Animals Initially in Study	10	10	10	10	10	10
Early Deaths						
Survivors						
Terminal Sacrifice	10	10	10	10	10	10
Animals Examined Microscopically	10	10	10	10	10	10
<b>ALIMENTARY SYSTEM</b>						
Liver	(10)	(10)	(10)	(10)	(10)	(10)
Clear Cell Focus		1				
Hepatodiaphragmatic Nodule	1	1			1	2
Infiltration Cellular, Mononuclear Cell	7 [1.0]	9 [1.1]	7 [1.0]	5 [1.0]	8 [1.0]	4 [1.0]
Bile Duct, Hyperplasia		1 [1.0]				
Stomach, Glandular	(10)	(0)	(0)	(0)	(0)	(10)
Inflammation						1 [1.0]
<b>CARDIOVASCULAR SYSTEM</b>						
Heart	(10)	(0)	(0)	(0)	(0)	(10)
Cardiomyopathy	9 [1.3]					8 [1.1]
<b>ENDOCRINE SYSTEM</b>						
Adrenal Cortex	(10)	(0)	(0)	(0)	(0)	(10)
Vacuolization Cytoplasmic	3 [1.0]					
Thyroid Gland	(10)	(0)	(0)	(0)	(0)	(10)
Ultimobranchial Cyst	1					
<b>GENERAL BODY SYSTEM</b>						
None						
<b>GENITAL SYSTEM</b>						

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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Fischer 344-Taconic RATS MALE	0 mg/kg	62.5 mg/kg	125 mg/kg	250 mg/kg	500 mg/kg	1000 mg/kg
Epididymis	(10)	(0)	(0)	(0)	(0)	(10)
Inflammation	1 [1.0]					
Preputial Gland	(10)	(0)	(0)	(0)	(0)	(10)
Inflammation	9 [1.7]					9 [1.7]
Testes	(10)	(10)	(10)	(10)	(10)	(10)
Seminiferous Tubule, Degeneration	3 [1.0]	1 [1.0]	2 [1.0]	3 [1.0]	3 [1.0]	7 [1.0]
<b>HEMATOPOIETIC SYSTEM</b>						
Lymph Node, Mandibular	(10)	(10)	(10)	(10)	(10)	(10)
Ectasia			1 [3.0]			
Hyperplasia, Lymphoid	3 [2.3]		2 [2.5]		1 [1.0]	2 [1.5]
Hyperplasia, Plasma Cell	5 [1.4]	10 [1.4]	7 [1.6]	9 [1.2]	8 [1.4]	8 [1.8]
Lymph Node, Mesenteric	(10)	(10)	(10)	(10)	(10)	(10)
Hyperplasia, Lymphoid		1 [2.0]				
Infiltration Cellular, Histiocyte		2 [2.0]	6 [1.5]	7 [1.9]	7 [1.7]	7 [1.7]
Thymus	(10)	(10)	(10)	(10)	(10)	(8)
Atrophy				1 [1.0]		5 [1.0]
<b>INTEGUMENTARY SYSTEM</b>						
None						
<b>MUSCULOSKELETAL SYSTEM</b>						
None						
<b>NERVOUS SYSTEM</b>						
None						
<b>RESPIRATORY SYSTEM</b>						
Lung	(10)	(0)	(0)	(0)	(0)	(10)
Hemorrhage	6 [1.2]					
Inflammation	9 [1.9]					7 [1.0]
Nose	(10)	(10)	(10)	(10)	(10)	(10)

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Fischer 344-Taconic RATS MALE	0 mg/kg	62.5 mg/kg	125 mg/kg	250 mg/kg	500 mg/kg	1000 mg/kg
Inflammation	2 [1.0]	3 [1.0]	1 [1.0]	2 [1.0]	3 [1.3]	5 [2.0]
Glands, Olfactory Epithelium, Hyperplasia					3 [1.3]	7 [1.1]
Lamina Propria, Pigmentation, Histiocyte						2 [2.0]
Nasopharyngeal Duct, Degeneration					3 [2.0]	3 [2.0]
Nasopharyngeal Duct, Inflammation					2 [1.0]	3 [2.0]
Nerve, Atrophy					5 [1.8]	10 [1.7]
Olfactory Epithelium, Atrophy			2 [1.0]	1 [1.0]	3 [1.0]	9 [1.1]
Olfactory Epithelium, Hyperplasia, Basal Cell					1 [1.0]	1 [1.0]
Olfactory Epithelium, Metaplasia			1 [1.0]		6 [1.5]	10 [1.0]
Olfactory Epithelium, Necrosis					1 [1.0]	3 [1.7]
Olfactory Epithelium, Pigmentation					4 [1.0]	5 [1.0]
Respiratory Epithelium, Atrophy						1 [2.0]
Respiratory Epithelium, Hyperplasia	1 [2.0]				2 [1.0]	4 [1.0]
Respiratory Epithelium, Metaplasia, Squamous						1 [1.0]
Respiratory Epithelium, Necrosis						1 [2.0]
Trachea	(10)	(0)	(0)	(0)	(0)	(10)
Inflammation	1 [1.0]					
<b>SPECIAL SENSES SYSTEM</b>						
Harderian Gland	(10)	(0)	(0)	(0)	(0)	(10)
Inflammation	1 [2.0]					
<b>URINARY SYSTEM</b>						
Kidney	(10)	(0)	(0)	(0)	(0)	(10)
Mineralization						2 [1.0]
Nephropathy	8 [1.0]					5 [1.0]

\*\*\* END OF MALE \*\*\*

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Lab: BAT

Fischer 344-Taconic RATS FEMALE	0 mg/kg	62.5 mg/kg	125 mg/kg	250 mg/kg	500 mg/kg	1000 mg/kg
<b>Disposition Summary</b>						
Animals Initially in Study	10	10	10	10	10	10
Early Deaths						
Natural Death			1			
Survivors						
Terminal Sacrifice	10	10	9	10	10	10
Animals Examined Microscopically	10	10	10	10	10	10
<b>ALIMENTARY SYSTEM</b>						
Liver	(10)	(10)	(10)	(10)	(10)	(10)
Hepatodiaphragmatic Nodule	1		1	2	1	2
Infiltration Cellular, Mononuclear Cell	9 [1.4]	8 [1.1]	6 [1.2]	7 [1.4]	8 [1.1]	7 [1.1]
Inflammation, Chronic						1 [2.0]
Mitosis						2 [1.5]
Mixed Cell Focus						1
Pigmentation						2 [2.0]
Bile Duct, Hyperplasia						3 [1.0]
Hepatocyte, Necrosis						1 [3.0]
Oval Cell, Hyperplasia						3 [1.7]
Periportal, Hypertrophy						2 [1.5]
Pancreas	(10)	(0)	(1)	(0)	(0)	(10)
Atrophy						1 [1.0]
Inflammation, Chronic Active	1 [1.0]					1 [1.0]
Acinus, Atrophy	1 [1.0]					
Stomach, Glandular	(10)	(0)	(1)	(0)	(0)	(10)
Hyperplasia						1 [2.0]
<b>CARDIOVASCULAR SYSTEM</b>						
Heart	(10)	(0)	(1)	(0)	(0)	(10)
Cardiomyopathy	9 [1.0]		1 [1.0]			6 [1.0]
<b>ENDOCRINE SYSTEM</b>						
Adrenal Cortex	(10)	(0)	(1)	(0)	(0)	(10)

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

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Vacuolization Cytoplasmic Pituitary Gland Cyst	(10)	(0)	(1)	(0)	(0)	1 [1.0] (10) 1
<b>GENERAL BODY SYSTEM</b>						
None						
<b>GENITAL SYSTEM</b>						
Clitoral Gland Inflammation	(10) 5 [1.2]	(0)	(1) 1 [1.0]	(0)	(0)	(10) 2 [1.5]
<b>HEMATOPOIETIC SYSTEM</b>						
Lymph Node, Mandibular Hyperplasia, Lymphoid	(10) 3 [2.0]	(10) 4 [1.5]	(10) 1 [1.0]	(10) 1 [1.0]	(10)	(10) 2 [1.5]
Hyperplasia, Plasma Cell	4 [2.0]	5 [1.0]	7 [1.3]	7 [1.3]	7 [1.3]	8 [1.9]
Lymph Node, Mesenteric Atrophy	(10)	(10)	(10)	(10)	(10)	(10)
Infiltration Cellular, Histiocyte	8 [2.6]	10 [1.9]	9 [1.9]	7 [2.0]	7 [1.6]	6 [1.7]
Thymus Atrophy	(10)	(10)	(10)	(10)	(10)	(10) 6 [1.0]
<b>INTEGUMENTARY SYSTEM</b>						
None						
<b>MUSCULOSKELETAL SYSTEM</b>						
None						
<b>NERVOUS SYSTEM</b>						
None						

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Fischer 344-Taconic RATS FEMALE	0 mg/kg	62.5 mg/kg	125 mg/kg	250 mg/kg	500 mg/kg	1000 mg/kg
<b>RESPIRATORY SYSTEM</b>						
Lung	(10)	(0)	(1)	(0)	(0)	(10)
Hemorrhage	1 [1.0]					2 [1.0]
Inflammation	8 [1.1]		1 [1.0]			9 [1.2]
Metaplasia, Osseous						1 [1.0]
Nose	(10)	(10)	(10)	(10)	(10)	(10)
Infiltration Cellular, Mononuclear Cell						1 [2.0]
Inflammation	2 [1.0]	1 [1.0]	1 [1.0]	4 [1.0]	10 [1.2]	8 [1.0]
Glands, Olfactory Epithelium, Hyperplasia				2 [1.0]	1 [1.0]	4 [1.0]
Lamina Propria, Pigmentation, Histiocyte						1 [1.0]
Nasopharyngeal Duct, Degeneration					2 [1.5]	
Nerve, Atrophy				1 [1.0]	4 [1.0]	5 [1.8]
Olfactory Epithelium, Atrophy		1 [1.0]	1 [1.0]			7 [1.1]
Olfactory Epithelium, Hyperplasia, Basal Cell				1 [1.0]		
Olfactory Epithelium, Metaplasia					5 [1.2]	4 [1.0]
Olfactory Epithelium, Pigmentation				2 [1.0]	3 [1.0]	5 [1.0]
Respiratory Epithelium, Hyperplasia				1 [1.0]	1 [1.0]	
<b>SPECIAL SENSES SYSTEM</b>						
Eye	(10)	(1)	(1)	(0)	(0)	(10)
Atrophy						1 [2.0]
Cornea, Degeneration		1 [2.0]				
Harderian Gland	(10)	(0)	(1)	(0)	(0)	(10)
Inflammation	1 [1.0]					1 [1.0]
<b>URINARY SYSTEM</b>						
Kidney	(10)	(0)	(1)	(0)	(0)	(10)
Mineralization	5 [1.0]					5 [1.0]
Nephropathy						1 [1.0]

\*\*\* END OF REPORT \*\*\*

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)