

Experiment Number: 20215-01
Test Type: 14-DAY
Route: GAVAGE
Species/Strain: Rat/F 344/N

**P18: INCIDENCE RATES OF NON-NEOPLASTIC LESIONS BY ANATOMIC SITE (a) WITH
AVERAGE SEVERITY GRADES[b]**
Test Compound: tert-Butyl hydroperoxide
CAS Number: 75-91-2

Date Report Requested: 10/21/2014
Time Report Requested: 05:20:53
First Dose M/F: NA / NA
Lab: BAT

C Number:	C20215B
Lock Date:	Not Entered.
Cage Range:	All
Date Range:	All
Reasons For Removal:	All
Removal Date Range:	All
Treatment Groups:	All
Study Gender:	Both
PWG Approval Date	NONE

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F 344/N Rat MALE	0	MG/KG	22	MG/KG	44	MG/KG	88	MG/KG	175	MG/KG	350	MG/KG
Disposition Summary												
Animals Initially In Study	5		5		5		5		5		5	
Early Deaths												
Moribund Sacrifice											1	
Survivors												
Natural Death											1	
Terminal Sacrifice	5		5		5		5		5		3	
Animals Examined Microscopically	5		5		5		5		5		5	
ALIMENTARY SYSTEM												
Esophagus	(5)		(0)		(0)		(0)		(5)		(5)	
Hyperplasia											2 [2.5]	
Inflammation											3 [2.7]	
Necrosis											1 [3.0]	
Periesoph Tiss, Inflammation									1 [1.0]			
Ulcer											1 [4.0]	
Liver	(5)		(0)		(0)		(0)		(5)		(5)	
Centrilobular, Degeneration											1 [2.0]	
Hematopoietic Cell Proliferation	1 [1.0]								4 [1.0]		1 [1.0]	
Inflammation	3 [1.0]								3 [1.0]		2 [2.5]	
Necrosis											1 [2.0]	
Stomach, Forestomach	(5)		(5)		(5)		(5)		(5)		(5)	
Hyperplasia					2 [1.0]		5 [1.8]		5 [2.2]		5 [3.0]	
Inflammation					1 [1.0]		3 [1.7]		5 [1.6]		4 [2.8]	
Serosa, Fibrosis											1 [3.0]	
Ulcer							1 [2.0]				4 [3.0]	
Stomach, Glandular	(5)		(0)		(5)		(5)		(5)		(5)	
Inflammation							1 [2.0]		4 [2.0]		4 [1.5]	
Mineralization											1 [1.0]	

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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Ulcer											1	[3.0]
CARDIOVASCULAR SYSTEM												
None												
ENDOCRINE SYSTEM												
None												
GENERAL BODY SYSTEM												
None												
GENITAL SYSTEM												
None												
HEMATOPOIETIC SYSTEM												
Thymus	(5)		(0)		(0)		(0)		(5)		(5)	
Necrosis, Lymphoid											4	[2.8]
INTEGUMENTARY SYSTEM												
None												
MUSCULOSKELETAL SYSTEM												
None												
NERVOUS SYSTEM												
None												
RESPIRATORY SYSTEM												
Lung	(5)		(0)		(0)		(5)		(5)		(5)	
Bronchiole, Foreign Body											2	[1.0]
Congestion											1	[2.0]
Inflammation									1	[1.0]	3	[2.0]
Metaplasia, Osseous									1	[1.0]		
SPECIAL SENSES SYSTEM												

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Lab: BAT

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None												
URINARY SYSTEM												
Kidney	(5)		(0)		(0)		(0)		(5)		(5)	
Inflammation									1 [1.0]			
Mineralization									2 [1.0]		1 [1.0]	
Nephropathy	1 [1.0]								2 [1.0]		2 [1.5]	
Renal Tubule, Necrosis											1 [3.0]	
Urinary Bladder	(5)		(0)		(0)		(0)		(5)		(5)	

END OF MALE DATA

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

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Disposition Summary												
Animals Initially In Study	5		5		5		5		5		5	
Early Deaths												
Survivors												
Terminal Sacrifice	5		5		5		5		5		5	
Animals Examined Microscopically	5		5		5		5		5		5	
ALIMENTARY SYSTEM												
Esophagus	(5)		(0)		(0)		(0)		(5)		(5)	
Hyperplasia											2 [1.0]	
Inflammation											2 [4.0]	
Necrosis											2 [3.5]	
Ulcer											1 [4.0]	
Liver	(5)		(0)		(0)		(0)		(5)		(5)	
Hematopoietic Cell Proliferation											1 [1.0]	
Inflammation	3 [1.0]								4 [1.0]		2 [1.0]	
Stomach, Forestomach	(5)		(5)		(5)		(5)		(5)		(5)	
Hyperplasia					4 [1.3]		5 [1.8]		5 [2.8]		5 [3.2]	
Inflammation					1 [1.0]		5 [1.0]		5 [2.4]		5 [2.8]	
Ulcer									1 [1.0]		5 [3.8]	
Stomach, Glandular	(5)		(0)		(5)		(5)		(5)		(5)	
Glands, Cyst	1 [1.0]											
Inflammation							1 [1.0]		3 [1.7]		3 [2.3]	
Ulcer											1 [4.0]	
CARDIOVASCULAR SYSTEM												
None												
ENDOCRINE SYSTEM												
None												

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GENERAL BODY SYSTEM												
None												
GENITAL SYSTEM												
None												
HEMATOPOIETIC SYSTEM												
Thymus	(5)		(0)		(0)		(0)		(5)		(5)	
Necrosis, Lymphoid											2 [3.0]	
INTEGUMENTARY SYSTEM												
None												
MUSCULOSKELETAL SYSTEM												
None												
NERVOUS SYSTEM												
None												
RESPIRATORY SYSTEM												
Lung	(5)		(0)		(5)		(5)		(5)		(5)	
Inflammation							2 [1.0]		1 [1.0]		2 [1.0]	
SPECIAL SENSES SYSTEM												
None												
URINARY SYSTEM												
Kidney	(5)		(0)		(0)		(0)		(5)		(5)	
Mineralization	1 [1.0]								2 [1.0]			
Nephropathy	1 [1.0]								1 [1.0]		3 [1.3]	
Urinary Bladder	(5)		(0)		(0)		(0)		(5)		(5)	

**** END OF REPORT ****

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b - Average severity grade (1-minimal; 2-mild; 3-moderate; 4-marked)