

**Experiment Number:** 20215-04  
**Test Type:** 14-DAY  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/B6C3F1

**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:** 10/15/2014  
**Time Report Requested:** 16:05:26  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**C Number:** C20215  
**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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B6C3F1 Mouse MALE	0	MG/KG	22	MG/KG	44	MG/KG	88	MG/KG	176	MG/KG	352	MG/KG
<b>Disposition Summary</b>												
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	
ALIMENTARY SYSTEM												
Liver	(5)		(0)		(0)		(0)		(0)		(5)	
Angiectasis	1 [1.0]											
Inflammation, Chronic Active	4 [1.0]										3 [1.0]	
Stomach, Forestomach	(5)		(0)		(0)		(0)		(0)		(5)	
Stomach, Glandular	(5)		(0)		(0)		(0)		(0)		(5)	
CARDIOVASCULAR SYSTEM												
None												
ENDOCRINE SYSTEM												
None												
GENERAL BODY SYSTEM												
None												
GENITAL SYSTEM												
None												
HEMATOPOIETIC SYSTEM												
None												
INTEGUMENTARY SYSTEM												
Skin	(5)		(0)		(5)		(5)		(5)		(5)	
Hair Follicle, SOA Epidermis, Atrophy									1 [1.0]		5 [1.6]	
SOA Dermis, Fibrosis											2 [1.5]	

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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B6C3F1 Mouse MALE	0	MG/KG	22	MG/KG	44	MG/KG	88	MG/KG	176	MG/KG	352	MG/KG
SOA Dermis, Inflammation							2	[1.5]	5	[2.2]	5	[2.6]
SOA Dermis, Subcut Tiss, Inflammation											4	[1.8]
SOA Epidermis, Hyperkeratosis							1	[1.0]	2	[1.5]	5	[3.0]
SOA Epidermis, Hyperplasia							3	[1.3]	5	[2.0]	5	[2.8]
SOA Epidermis, Necrosis									1	[1.0]	4	[1.5]
SOA Epidermis, Ulcer									1	[1.0]	5	[2.4]
MUSCULOSKELETAL SYSTEM												
Skeletal Muscle		(0)		(0)		(0)		(0)		(0)		(2)
Degeneration											2	[1.5]
NERVOUS SYSTEM												
None												
RESPIRATORY SYSTEM												
None												
SPECIAL SENSES SYSTEM												
None												
URINARY SYSTEM												
None												

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

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<b>Disposition Summary</b>												
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	
<b>ALIMENTARY SYSTEM</b>												
Liver	(5)		(0)		(0)		(0)		(0)		(5)	
Inflammation, Chronic Active	5 [1.0]										5 [1.0]	
Stomach, Forestomach	(5)		(0)		(0)		(0)		(0)		(5)	
Stomach, Glandular	(5)		(0)		(0)		(0)		(0)		(5)	
<b>CARDIOVASCULAR SYSTEM</b>												
None												
<b>ENDOCRINE SYSTEM</b>												
None												
<b>GENERAL BODY SYSTEM</b>												
None												
<b>GENITAL SYSTEM</b>												
None												
<b>HEMATOPOIETIC SYSTEM</b>												
None												
<b>INTEGUMENTARY SYSTEM</b>												
Skin	(5)		(0)		(0)		(5)		(5)		(5)	
Hair Follicle, SOA Epidermis, Atrophy									1 [1.0]			
Hair Follicle, SOA Epidermis, Inflammation	1 [1.0]						1 [1.0]					
SOA Dermis, Fibrosis	1 [1.0]								1 [1.0]		4 [1.0]	

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

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<b>B6C3F1 Mouse FEMALE</b>	<b>0</b>	<b>MG/KG</b>	<b>22</b>	<b>MG/KG</b>	<b>44</b>	<b>MG/KG</b>	<b>88</b>	<b>MG/KG</b>	<b>176</b>	<b>MG/KG</b>	<b>352</b>	<b>MG/KG</b>
SOA Dermis, Inflammation	2	[1.0]							4	[2.0]	5	[3.0]
SOA Dermis, Subcut Tiss, Inflammation									1	[2.0]	4	[1.5]
SOA Epidermis, Hyperkeratosis	1	[1.0]							1	[2.0]	5	[2.8]
SOA Epidermis, Hyperplasia	1	[1.0]							3	[1.7]	5	[3.0]
SOA Epidermis, Necrosis									1	[3.0]	3	[2.3]
SOA Epidermis, Ulcer											1	[2.0]
<b>MUSCULOSKELETAL SYSTEM</b>												
Skeletal Muscle	(0)		(0)		(0)		(0)		(0)		(1)	
Degeneration											1	[1.0]
<b>NERVOUS SYSTEM</b>												
None												
<b>RESPIRATORY SYSTEM</b>												
None												
<b>SPECIAL SENSES SYSTEM</b>												
None												
<b>URINARY SYSTEM</b>												
None												

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

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