

Experiment Number: 95011-04
Test Type: 90-DAY
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

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

Test Compound: 5-(Hydroxymethyl)-2-furfural
CAS Number: 67-47-0

Date Report Requested: 10/16/2014
Time Report Requested: 17:20:19
First Dose M/F: NA / NA
Lab: BAT

C Number:	C95011
Lock Date:	11/10/1997
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	47 MG/KG	94 MG/KG	188 MG/KG	375 MG/KG	750 MG/KG
Disposition Summary						
Animals Initially In Study	10	10	10	10	10	10
Early Deaths						
Survivors						
Natural Death						1
Terminal Sacrifice	10	10	10	10	10	9
Animals Examined Microscopically	10	10	10	10	10	10
ALIMENTARY SYSTEM						
Esophagus	(10)	(0)	(0)	(0)	(0)	(10)
Muscularis, Inflammation	1 [1.0]					1 [1.0]
Periesoph Tiss, Inflammation	1 [1.0]					1 [1.0]
Gallbladder	(10)	(0)	(0)	(0)	(0)	(9)
Intestine Large, Cecum	(10)	(0)	(0)	(0)	(0)	(10)
Intestine Large, Colon	(10)	(0)	(0)	(0)	(0)	(10)
Intestine Large, Rectum	(10)	(0)	(0)	(0)	(0)	(10)
Intestine Small, Duodenum	(10)	(0)	(0)	(0)	(0)	(10)
Intestine Small, Ileum	(10)	(0)	(0)	(0)	(0)	(10)
Intestine Small, Jejunum	(10)	(0)	(0)	(0)	(0)	(10)
Liver	(10)	(0)	(0)	(0)	(0)	(10)
Inflammation	2 [1.0]					
Pancreas	(10)	(0)	(0)	(0)	(0)	(10)
Salivary Glands	(10)	(0)	(0)	(0)	(0)	(10)
Inflammation						1 [1.0]
Stomach, Forestomach	(10)	(0)	(0)	(0)	(0)	(10)
Stomach, Glandular	(10)	(0)	(0)	(0)	(0)	(10)
CARDIOVASCULAR SYSTEM						
Blood Vessel	(10)	(0)	(0)	(0)	(0)	(10)
Heart	(10)	(0)	(0)	(0)	(0)	(10)

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	47 MG/KG	94 MG/KG	188 MG/KG	375 MG/KG	750 MG/KG
Ectopic Tissue						1 [2.0]
Infiltration Cellular						1 [2.0]
ENDOCRINE SYSTEM						
Adrenal Cortex	(10)	(0)	(0)	(0)	(0)	(10)
Hypertrophy	1 [1.0]					
Adrenal Medulla	(9)	(0)	(0)	(0)	(0)	(10)
Islets, Pancreatic	(10)	(0)	(0)	(0)	(0)	(10)
Parathyroid Gland	(8)	(0)	(0)	(0)	(0)	(8)
Pituitary Gland	(9)	(0)	(0)	(0)	(0)	(9)
Thyroid Gland	(10)	(0)	(0)	(0)	(0)	(10)
GENERAL BODY SYSTEM						
None						
GENITAL SYSTEM						
Epididymis	(10)	(0)	(0)	(0)	(0)	(10)
Preputial Gland	(10)	(0)	(0)	(0)	(0)	(10)
Inflammation	1 [1.0]					
Prostate	(10)	(0)	(0)	(0)	(0)	(10)
Seminal Vesicle	(10)	(0)	(0)	(0)	(0)	(10)
Testes	(10)	(0)	(0)	(0)	(0)	(10)
HEMATOPOIETIC SYSTEM						
Bone Marrow	(10)	(0)	(0)	(0)	(0)	(10)
Lymph Node, Mandibular	(10)	(0)	(0)	(0)	(0)	(10)
Lymph Node, Mesenteric	(10)	(0)	(0)	(0)	(0)	(10)
Spleen	(10)	(0)	(0)	(0)	(0)	(10)
Thymus	(10)	(0)	(0)	(0)	(0)	(10)
INTEGUMENTARY SYSTEM						
Skin	(10)	(0)	(0)	(0)	(0)	(10)

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B6C3F1 Mouse MALE	0 MG/KG	47 MG/KG	94 MG/KG	188 MG/KG	375 MG/KG	750 MG/KG
MUSCULOSKELETAL SYSTEM						
Bone	(10)	(0)	(0)	(0)	(0)	(10)
NERVOUS SYSTEM						
Brain	(10)	(0)	(0)	(0)	(0)	(10)
RESPIRATORY SYSTEM						
Lung	(10)	(0)	(0)	(0)	(0)	(10)
Perivascular, Inflammation	1 [1.0]					
Pigmentation	1 [1.0]					
Nose	(10)	(0)	(0)	(0)	(0)	(10)
Inflammation	1 [1.0]					
Olfactory Epi, Degeneration						1 [1.0]
Trachea	(10)	(0)	(0)	(0)	(0)	(10)
SPECIAL SENSES SYSTEM						
None						
URINARY SYSTEM						
Kidney	(10)	(10)	(10)	(10)	(10)	(10)
Cytoplasmic Alteration	1 [1.0]		1 [1.0]	6 [1.2]	8 [1.0]	10 [2.0]
Inflammation	1 [1.0]					
Mineralization						1 [1.0]
Nephropathy				1 [1.0]	1 [1.0]	1 [1.0]
Urinary Bladder	(10)	(0)	(0)	(0)	(0)	(10)

END OF MALE DATA

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B6C3F1 Mouse FEMALE	0 MG/KG	47 MG/KG	94 MG/KG	188 MG/KG	375 MG/KG	750 MG/KG
Disposition Summary						
Animals Initially In Study	10	10	10	10	10	10
Early Deaths						
Natural Death					1	
Survivors						
Terminal Sacrifice	10	10	10	10	9	10
Animals Examined Microscopically	10	10	10	10	10	10
ALIMENTARY SYSTEM						
Esophagus	(10)	(0)	(0)	(0)	(1)	(10)
Muscularis, Inflammation	2 [1.0]				1 [1.0]	1 [1.0]
Gallbladder	(10)	(0)	(0)	(0)	(0)	(10)
Intestine Large, Cecum	(10)	(0)	(0)	(0)	(1)	(10)
Intestine Large, Colon	(10)	(0)	(0)	(0)	(1)	(10)
Intestine Large, Rectum	(10)	(0)	(0)	(0)	(1)	(10)
Intestine Small, Duodenum	(10)	(0)	(0)	(0)	(1)	(10)
Intestine Small, Ileum	(10)	(0)	(0)	(0)	(1)	(10)
Intestine Small, Jejunum	(10)	(0)	(0)	(0)	(1)	(10)
Liver	(10)	(0)	(0)	(0)	(1)	(10)
Inflammation	6 [1.0]					5 [1.0]
Pancreas	(10)	(0)	(0)	(0)	(1)	(10)
Salivary Glands	(10)	(0)	(0)	(0)	(1)	(10)
Inflammation	1 [1.0]					
Stomach, Forestomach	(10)	(0)	(0)	(0)	(1)	(10)
Stomach, Glandular	(10)	(0)	(0)	(0)	(1)	(10)
CARDIOVASCULAR SYSTEM						
Blood Vessel	(10)	(0)	(0)	(0)	(1)	(10)
Heart	(10)	(0)	(0)	(0)	(1)	(10)

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ENDOCRINE SYSTEM						
Adrenal Cortex	(10)	(0)	(0)	(0)	(1)	(10)
Adrenal Medulla	(10)	(0)	(0)	(0)	(1)	(10)
Islets, Pancreatic	(10)	(0)	(0)	(0)	(1)	(10)
Parathyroid Gland	(5)	(0)	(0)	(0)	(0)	(7)
Pituitary Gland	(10)	(0)	(0)	(0)	(1)	(10)
Thyroid Gland	(10)	(0)	(0)	(0)	(1)	(10)
GENERAL BODY SYSTEM						
None						
GENITAL SYSTEM						
Clitoral Gland	(10)	(0)	(0)	(0)	(1)	(10)
Ovary	(10)	(0)	(0)	(0)	(1)	(10)
Uterus	(10)	(0)	(0)	(0)	(1)	(10)
HEMATOPOIETIC SYSTEM						
Bone Marrow	(10)	(0)	(0)	(0)	(1)	(10)
Lymph Node, Mandibular	(10)	(0)	(0)	(0)	(1)	(10)
Atrophy					1 [2.0]	
Lymph Node, Mesenteric	(10)	(0)	(0)	(0)	(1)	(9)
Atrophy					1 [2.0]	
Spleen	(10)	(0)	(0)	(0)	(1)	(10)
Hematopoietic Cell Proliferation					1 [3.0]	1 [1.0]
Thymus	(10)	(0)	(0)	(0)	(1)	(10)
Atrophy					1 [4.0]	
INTEGUMENTARY SYSTEM						
Mammary Gland	(10)	(0)	(0)	(0)	(1)	(10)
Skin	(10)	(0)	(0)	(0)	(1)	(10)
MUSCULOSKELETAL SYSTEM						

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MUSCULOSKELETAL SYSTEM						
Bone	(10)	(0)	(0)	(0)	(1)	(10)
NERVOUS SYSTEM						
Brain	(10)	(0)	(0)	(0)	(1)	(10)
RESPIRATORY SYSTEM						
Lung	(10)	(0)	(0)	(0)	(1)	(10)
Inflammation	1 [1.0]				1 [1.0]	
Nose	(10)	(0)	(0)	(0)	(1)	(10)
Olfactory Epi, Degeneration						1 [1.0]
Trachea	(10)	(0)	(0)	(0)	(1)	(10)
SPECIAL SENSES SYSTEM						
None						
URINARY SYSTEM						
Kidney	(10)	(10)	(10)	(10)	(10)	(10)
Nephropathy						1 [1.0]
Urinary Bladder	(10)	(0)	(0)	(0)	(1)	(10)

**** END OF REPORT ****

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