

Experiment Number: 50215-01
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: Acrylonitrile
CAS Number: 107-13-1

Date Report Requested: 10/22/2014
Time Report Requested: 06:45:08
First Dose M/F: NA / NA
Lab: BAT

C Number:	C50215B
Lock Date:	05/17/1996
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	5 MG/KG	10 MG/KG	20 MG/KG	40 MG/KG	60 MG/KG
Disposition Summary						
Animals Initially In Study	10	10	10	10	10	10
Early Deaths						
Moribund Sacrifice					2	
Natural Death	1				7	10
Survivors						
Terminal Sacrifice	9	10	10	10	1	
Animals Examined Microscopically	10			10	10	10
ALIMENTARY SYSTEM						
Esophagus	(10)	(0)	(0)	(10)	(10)	(10)
Gallbladder	(10)	(0)	(0)	(10)	(10)	(10)
Intestine Large, Cecum	(10)	(0)	(0)	(10)	(10)	(10)
Intestine Large, Colon	(10)	(0)	(0)	(10)	(10)	(10)
Intestine Large, Rectum	(10)	(0)	(0)	(10)	(9)	(10)
Intestine Small, Duodenum	(10)	(0)	(0)	(8)	(10)	(10)
Intestine Small, Ileum	(10)	(0)	(0)	(10)	(10)	(10)
Intestine Small, Jejunum	(10)	(0)	(0)	(10)	(10)	(10)
Liver	(10)	(0)	(0)	(10)	(10)	(10)
Inflammation, Chronic Active	3 [1.0]			6 [1.0]	1 [1.0]	7 [1.0]
Pancreas	(10)	(0)	(0)	(10)	(10)	(10)
Salivary Glands	(10)	(0)	(0)	(10)	(10)	(10)
Stomach, Forestomach	(10)	(0)	(0)	(10)	(10)	(10)
Stomach, Glandular	(10)	(0)	(0)	(10)	(10)	(10)
CARDIOVASCULAR SYSTEM						
Blood Vessel	(10)	(0)	(0)	(10)	(10)	(10)
Heart	(10)	(0)	(0)	(10)	(10)	(10)
ENDOCRINE SYSTEM						

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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Adrenal Cortex	(10)	(0)	(0)	(10)	(10)	(10)
Adrenal Medulla	(10)	(0)	(0)	(10)	(10)	(10)
Islets, Pancreatic	(10)	(0)	(0)	(10)	(10)	(10)
Parathyroid Gland	(7)	(0)	(0)	(9)	(6)	(7)
Pituitary Gland	(10)	(0)	(0)	(10)	(10)	(9)
Thyroid Gland	(10)	(0)	(0)	(10)	(10)	(10)
GENERAL BODY SYSTEM						
None						
GENITAL SYSTEM						
Epididymis	(10)	(0)	(0)	(10)	(10)	(10)
Preputial Gland	(10)	(0)	(0)	(10)	(10)	(10)
Prostate	(10)	(0)	(0)	(10)	(10)	(10)
Inflammation, Suppurative	1 [3.0]					
Seminal Vesicle	(10)	(0)	(0)	(10)	(10)	(10)
Testes	(10)	(0)	(0)	(10)	(10)	(10)
HEMATOPOIETIC SYSTEM						
Bone Marrow	(10)	(0)	(0)	(10)	(10)	(10)
Lymph Node, Mandibular	(10)	(0)	(0)	(9)	(10)	(10)
Lymph Node, Mesenteric	(8)	(0)	(0)	(10)	(10)	(10)
Spleen	(10)	(0)	(0)	(10)	(10)	(10)
Atrophy	1 [3.0]				1 [2.0]	
Hematopoietic Cell Proliferation	9 [2.3]			8 [2.0]	8 [2.0]	10 [2.2]
Lymph Follic, Necrosis	1 [2.0]				1 [2.0]	
Thymus	(10)	(0)	(0)	(10)	(10)	(10)
Cyst	1 [1.0]					
INTEGUMENTARY SYSTEM						
Skin	(10)	(0)	(0)	(10)	(10)	(10)

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Lab: BAT

B6C3F1 Mouse MALE	0 MG/KG	5 MG/KG	10 MG/KG	20 MG/KG	40 MG/KG	60 MG/KG
MUSCULOSKELETAL SYSTEM						
Bone	(10)	(0)	(0)	(10)	(10)	(10)
NERVOUS SYSTEM						
Brain	(10)	(0)	(0)	(10)	(10)	(10)
RESPIRATORY SYSTEM						
Lung	(10)	(0)	(0)	(10)	(10)	(10)
Nose	(10)	(0)	(0)	(10)	(10)	(10)
Trachea	(10)	(0)	(0)	(10)	(10)	(10)
SPECIAL SENSES SYSTEM						
None						
URINARY SYSTEM						
Kidney	(10)	(0)	(0)	(10)	(10)	(10)
Hydronephrosis	1 [3.0]					
Inflammation, Suppurative	1 [3.0]					
Nephropathy	1 [1.0]					1 [1.0]
Urinary Bladder	(10)	(0)	(0)	(10)	(10)	(10)

END OF MALE DATA

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

B6C3F1 Mouse FEMALE	0 MG/KG	5 MG/KG	10 MG/KG	20 MG/KG	40 MG/KG	60 MG/KG
Disposition Summary						
Animals Initially In Study	10	10	10	10	10	10
Early Deaths						
Moribund Sacrifice					3	1
Natural Death						9
Survivors						
Terminal Sacrifice	10	10	10	10	7	
Animals Examined Microscopically	10	10	10	10	10	10
ALIMENTARY SYSTEM						
Esophagus	(10)	(0)	(0)	(0)	(10)	(10)
Gallbladder	(10)	(0)	(0)	(0)	(10)	(9)
Intestine Large, Cecum	(10)	(0)	(0)	(0)	(10)	(10)
Intestine Large, Colon	(10)	(0)	(0)	(0)	(10)	(10)
Intestine Large, Rectum	(10)	(0)	(0)	(0)	(10)	(10)
Intestine Small, Duodenum	(10)	(0)	(0)	(0)	(10)	(10)
Intestine Small, Ileum	(10)	(0)	(0)	(0)	(10)	(10)
Intestine Small, Jejunum	(10)	(0)	(0)	(0)	(10)	(10)
Liver	(10)	(0)	(0)	(0)	(10)	(10)
Inflammation, Chronic Active	7 [1.0]				4 [1.0]	2 [1.0]
Pancreas	(10)	(0)	(0)	(0)	(10)	(10)
Salivary Glands	(10)	(0)	(0)	(0)	(10)	(10)
Stomach, Forestomach	(10)	(10)	(10)	(10)	(10)	(10)
Epithelium, Hyperplasia					5 [1.6]	
Inflammation, Chronic Active					4 [1.8]	
Ulcer					2 [4.0]	
Stomach, Glandular	(10)	(0)	(0)	(0)	(10)	(10)
CARDIOVASCULAR SYSTEM						
Blood Vessel	(10)	(0)	(0)	(0)	(10)	(10)

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B6C3F1 Mouse FEMALE	0 MG/KG	5 MG/KG	10 MG/KG	20 MG/KG	40 MG/KG	60 MG/KG
Heart	(10)	(0)	(0)	(0)	(10)	(10)
ENDOCRINE SYSTEM						
Adrenal Cortex	(10)	(0)	(0)	(0)	(10)	(10)
Adrenal Medulla	(10)	(0)	(0)	(0)	(10)	(10)
Islets, Pancreatic	(10)	(0)	(0)	(0)	(10)	(10)
Parathyroid Gland	(5)	(0)	(0)	(0)	(6)	(6)
Pituitary Gland	(9)	(0)	(0)	(0)	(10)	(8)
Thyroid Gland	(10)	(0)	(0)	(0)	(10)	(10)
GENERAL BODY SYSTEM						
None						
GENITAL SYSTEM						
Clitoral Gland	(10)	(0)	(0)	(0)	(10)	(10)
Ovary	(10)	(0)	(0)	(0)	(10)	(10)
Uterus	(10)	(0)	(0)	(0)	(10)	(10)
HEMATOPOIETIC SYSTEM						
Bone Marrow	(10)	(0)	(0)	(0)	(10)	(10)
Lymph Node, Mandibular	(10)	(0)	(0)	(0)	(10)	(9)
Lymph Node, Mesenteric	(10)	(0)	(0)	(0)	(10)	(10)
Spleen	(10)	(0)	(0)	(0)	(10)	(10)
Hematopoietic Cell Proliferation	10 [2.0]				10 [2.0]	10 [2.0]
Thymus	(10)	(0)	(0)	(0)	(10)	(10)
Cyst	2 [1.5]					
INTEGUMENTARY SYSTEM						
Mammary Gland	(10)	(0)	(0)	(0)	(10)	(10)
Skin	(10)	(0)	(0)	(0)	(10)	(10)
MUSCULOSKELETAL SYSTEM						
Bone	(10)	(0)	(0)	(0)	(10)	(10)

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Bone	(10)	(0)	(0)	(0)	(10)	(10)
NERVOUS SYSTEM						
Brain	(10)	(0)	(0)	(0)	(10)	(10)
RESPIRATORY SYSTEM						
Lung	(10)	(0)	(0)	(0)	(10)	(10)
Nose	(10)	(0)	(0)	(0)	(10)	(10)
Trachea	(10)	(0)	(0)	(0)	(10)	(10)
SPECIAL SENSES SYSTEM						
Eye	(1)	(0)	(0)	(0)	(1)	(0)
Atrophy	1 [3.0]				1 [4.0]	
URINARY SYSTEM						
Kidney	(10)	(0)	(0)	(0)	(10)	(10)
Urinary Bladder	(9)	(0)	(0)	(0)	(10)	(10)

**** END OF REPORT ****

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