

**Experiment Number:** 50215-01  
**Test Type:** 90-DAY  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P03: INCIDENCE RATES OF NON-NEOPLASTIC LESIONS BY ANATOMIC SITE (a)**

**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 06:45:41  
**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
<b>Disposition Summary</b>						
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
<b>ALIMENTARY SYSTEM</b>						
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 (30%)			6 (60%)	1 (10%)	7 (70%)
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)
<b>CARDIOVASCULAR SYSTEM</b>						
Blood Vessel	(10)	(0)	(0)	(10)	(10)	(10)
Heart	(10)	(0)	(0)	(10)	(10)	(10)
<b>ENDOCRINE SYSTEM</b>						
Adrenal Cortex	(10)	(0)	(0)	(10)	(10)	(10)

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

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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
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 (10%)					
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 (10%)				1 (10%)	
Hematopoietic Cell Proliferation	9 (90%)			8 (80%)	8 (80%)	10 (100%)
Lymph Follic, Necrosis	1 (10%)				1 (10%)	
Thymus	(10)	(0)	(0)	(10)	(10)	(10)
Cyst	1 (10%)					
INTEGUMENTARY SYSTEM						
Skin	(10)	(0)	(0)	(10)	(10)	(10)
MUSCULOSKELETAL SYSTEM						
Bone	(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
<b>NERVOUS SYSTEM</b>						
Brain	(10)	(0)	(0)	(10)	(10)	(10)
<b>RESPIRATORY SYSTEM</b>						
Lung	(10)	(0)	(0)	(10)	(10)	(10)
Nose	(10)	(0)	(0)	(10)	(10)	(10)
Trachea	(10)	(0)	(0)	(10)	(10)	(10)
<b>SPECIAL SENSES SYSTEM</b>						
None						
<b>URINARY SYSTEM</b>						
Kidney	(10)	(0)	(0)	(10)	(10)	(10)
Hydronephrosis	1 (10%)					
Inflammation, Suppurative	1 (10%)					
Nephropathy	1 (10%)					1 (10%)
Urinary Bladder	(10)	(0)	(0)	(10)	(10)	(10)

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

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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
<b>Disposition Summary</b>						
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
<b>ALIMENTARY SYSTEM</b>						
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 (70%)				4 (40%)	2 (20%)
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 (50%)	
Inflammation, Chronic Active					4 (40%)	
Ulcer					2 (20%)	
Stomach, Glandular	(10)	(0)	(0)	(0)	(10)	(10)
<b>CARDIOVASCULAR SYSTEM</b>						
Blood Vessel	(10)	(0)	(0)	(0)	(10)	(10)
Heart	(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
<b>ENDOCRINE SYSTEM</b>						
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)
<b>GENERAL BODY SYSTEM</b>						
None						
<b>GENITAL SYSTEM</b>						
Clitoral Gland	(10)	(0)	(0)	(0)	(10)	(10)
Ovary	(10)	(0)	(0)	(0)	(10)	(10)
Uterus	(10)	(0)	(0)	(0)	(10)	(10)
<b>HEMATOPOIETIC SYSTEM</b>						
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 (100%)				10 (100%)	10 (100%)
Thymus	(10)	(0)	(0)	(0)	(10)	(10)
Cyst	2 (20%)					
<b>INTEGUMENTARY SYSTEM</b>						
Mammary Gland	(10)	(0)	(0)	(0)	(10)	(10)
Skin	(10)	(0)	(0)	(0)	(10)	(10)
<b>MUSCULOSKELETAL SYSTEM</b>						
Bone	(10)	(0)	(0)	(0)	(10)	(10)
<b>NERVOUS SYSTEM</b>						

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<b>B6C3F1 Mouse FEMALE</b>	<b>0 MG/KG</b>	<b>5 MG/KG</b>	<b>10 MG/KG</b>	<b>20 MG/KG</b>	<b>40 MG/KG</b>	<b>60 MG/KG</b>
Brain	(10)	(0)	(0)	(0)	(10)	(10)
<b>RESPIRATORY SYSTEM</b>						
Lung	(10)	(0)	(0)	(0)	(10)	(10)
Nose	(10)	(0)	(0)	(0)	(10)	(10)
Trachea	(10)	(0)	(0)	(0)	(10)	(10)
<b>SPECIAL SENSES SYSTEM</b>						
Eye	(1)	(0)	(0)	(0)	(1)	(0)
Atrophy	1 (100%)				1 (100%)	
<b>URINARY SYSTEM</b>						
Kidney	(10)	(0)	(0)	(0)	(10)	(10)
Urinary Bladder	(9)	(0)	(0)	(0)	(10)	(10)

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