

**Experiment Number:** 88004-04  
**Test Type:** 90-DAY  
**Species/Strain:** Mouse/B6C3F1

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

**Test Compound:** Divinylbenzene  
**CAS Number:** 1321-74-0

**Date Report Requested:** 10/18/2014  
**Time Report Requested:** 23:38:48  
**First Dose M/F:** NA / NA  
**Lab:** BNW

**C Number:** C88004B  
**Lock Date:** 02/03/1999  
**Cage Range:** All  
**Date Range:** All  
**Reasons For Removal:** All  
**Removal Date Range:** All  
**Treatment Groups:** All  
**Study Gender:** Both  
**PWG Approval Date** NONE

Experiment Number: 88004-04

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

Date Report Requested: 10/18/2014

Test Type: 90-DAY

Test Compound: Divinylbenzene

Time Report Requested: 23:38:48

Species/Strain: Mouse/B6C3F1

CAS Number: 1321-74-0

First Dose M/F: NA / NA

Lab: BNW

B6C3F1 Mouse MALE	CONTROL	12.5 PPM	25 PPM	50 PPM	100 PPM	200 PPM
<b>Disposition Summary</b>						
Animals Initially In Study	10	10	10	10	10	10
Early Deaths						
Natural Death						10
Survivors						
Terminal Sacrifice	10	10	10	10	10	
Animals Examined Microscopically	10	10	10	10	10	10
<b>ALIMENTARY SYSTEM</b>						
Esophagus	(10)	(0)	(0)	(0)	(10)	(10)
Gallbladder	(5)	(0)	(0)	(0)	(5)	(4)
Intestine Large, Cecum	(10)	(0)	(0)	(0)	(10)	(7)
Intestine Large, Colon	(10)	(0)	(0)	(0)	(10)	(9)
Intestine Large, Rectum	(10)	(0)	(0)	(0)	(10)	(8)
Intestine Small, Duodenum	(10)	(0)	(0)	(0)	(10)	(2)
Intestine Small, Ileum	(10)	(0)	(0)	(0)	(10)	(3)
Intestine Small, Jejunum	(10)	(0)	(0)	(0)	(10)	(3)
Liver	(10)	(0)	(0)	(0)	(10)	(10)
Centrilobular, Congestion						2 (20%)
Centrilobular, Necrosis						10 (100%)
Infiltration Cellular, Histiocyte						2 (20%)
Mineralization						6 (60%)
Pancreas	(10)	(0)	(0)	(1)	(10)	(9)
Inflammation, Mixed Cell				1 (100%)		
Mineralization						8 (89%)
Necrosis						8 (89%)
Salivary Glands	(10)	(0)	(0)	(0)	(10)	(10)
Stomach, Forestomach	(10)	(0)	(0)	(0)	(10)	(10)
Stomach, Glandular	(10)	(0)	(0)	(0)	(10)	(8)
<b>CARDIOVASCULAR SYSTEM</b>						

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

Experiment Number: 88004-04

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

Date Report Requested: 10/18/2014

Test Type: 90-DAY

Test Compound: Divinylbenzene

Time Report Requested: 23:38:48

Species/Strain: Mouse/B6C3F1

CAS Number: 1321-74-0

First Dose M/F: NA / NA

Lab: BNW

B6C3F1 Mouse MALE	CONTROL	12.5 PPM	25 PPM	50 PPM	100 PPM	200 PPM
Heart Mineralization	(10)	(0)	(0)	(0)	(10)	(10) 5 (50%)
<b>ENDOCRINE SYSTEM</b>						
Adrenal Cortex Hypertrophy	(10) 1 (10%)	(0)	(0)	(0)	(10)	(10)
Adrenal Medulla	(10)	(0)	(0)	(0)	(10)	(10)
Islets, Pancreatic	(10)	(0)	(0)	(0)	(10)	(10)
Parathyroid Gland	(7)	(0)	(0)	(0)	(9)	(9)
Pituitary Gland	(10)	(0)	(0)	(0)	(9)	(9)
Thyroid Gland	(10)	(0)	(0)	(0)	(10)	(10)
<b>GENERAL BODY SYSTEM</b>						
None						
<b>GENITAL SYSTEM</b>						
Epididymis Necrosis	(10)	(0)	(0)	(0)	(10)	(10) 2 (20%)
Preputial Gland	(10)	(0)	(0)	(0)	(10)	(10)
Prostate	(10)	(0)	(0)	(0)	(10)	(9)
Seminal Vesicle	(10)	(0)	(0)	(0)	(10)	(10)
Testes Germinal Epith, Degeneration	(10)	(0)	(0)	(0)	(10)	(10) 7 (70%)
<b>HEMATOPOIETIC SYSTEM</b>						
Bone Marrow Cytologic Alterations	(10)	(0)	(0)	(0)	(10)	(10) 2 (20%)
Erythroid Cell, Depletion Cellular Necrosis						2 (20%) 2 (20%)
Lymph Node, Bronchial Atrophy	(9)	(0)	(0)	(0)	(7)	(7) 3 (43%)
Lymph Node, Mandibular	(5)	(0)	(0)	(0)	(7)	(7)

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

Experiment Number: 88004-04

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

Date Report Requested: 10/18/2014

Test Type: 90-DAY

Test Compound: Divinylbenzene

Time Report Requested: 23:38:48

Species/Strain: Mouse/B6C3F1

CAS Number: 1321-74-0

First Dose M/F: NA / NA

Lab: BNW

B6C3F1 Mouse MALE	CONTROL	12.5 PPM	25 PPM	50 PPM	100 PPM	200 PPM
Atrophy						4 (57%)
Lymph Node, Mediastinal	(3)	(0)	(0)	(0)	(3)	(1)
Lymph Node, Mesenteric	(10)	(0)	(0)	(0)	(9)	(9)
Atrophy						6 (67%)
Spleen	(10)	(0)	(0)	(0)	(10)	(10)
Depletion Cellular						10 (100%)
Thymus	(10)	(0)	(0)	(0)	(10)	(8)
Atrophy						7 (88%)
<b>INTEGUMENTARY SYSTEM</b>						
Skin	(10)	(0)	(0)	(0)	(10)	(10)
<b>MUSCULOSKELETAL SYSTEM</b>						
Bone	(10)	(0)	(0)	(0)	(10)	(10)
<b>NERVOUS SYSTEM</b>						
Brain	(10)	(0)	(0)	(0)	(10)	(10)
<b>RESPIRATORY SYSTEM</b>						
Larynx	(10)	(1)	(0)	(0)	(10)	(10)
Degeneration						3 (30%)
Inflammation, Acute		1 (100%)				
Lung	(10)	(0)	(0)	(0)	(10)	(10)
Bronchiole, Epithelium, Hyperplasia						1 (10%)
Bronchiole, Epithelium, Necrosis						1 (10%)
Bronchiole, Hyperplasia						2 (20%)
Bronchiole, Necrosis						4 (40%)
Bronchiole, Pigmentation						3 (30%)
Nose	(10)	(10)	(10)	(10)	(10)	(10)
Glands, Atrophy					10 (100%)	
Glands, Hyperplasia		9 (90%)	10 (100%)	10 (100%)	10 (100%)	
Glands, Necrosis						10 (100%)

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

Experiment Number: 88004-04

Test Type: 90-DAY

Species/Strain: Mouse/B6C3F1

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

Test Compound: Divinylbenzene

CAS Number: 1321-74-0

Date Report Requested: 10/18/2014

Time Report Requested: 23:38:48

First Dose M/F: NA / NA

Lab: BNW

B6C3F1 Mouse MALE	CONTROL	12.5 PPM	25 PPM	50 PPM	100 PPM	200 PPM
Infiltration Cellular, Mixed Cell Lateral Wall, Necrosis		9 (90%)	10 (100%)	10 (100%)	10 (100%)	9 (90%)
Olfactory Epi, Atrophy		10 (100%)	10 (100%)	10 (100%)	10 (100%)	
Olfactory Epi, Degeneration, Hyaline		7 (70%)	10 (100%)	10 (100%)	9 (90%)	
Olfactory Epi, Necrosis			4 (40%)	10 (100%)	10 (100%)	10 (100%)
Respirat Epith, Degeneration, Hyaline		8 (80%)	1 (10%)		1 (10%)	
Trachea Degeneration	(9)	(0)	(0)	(0)	(10)	(10) 2 (20%)
SPECIAL SENSES SYSTEM						
Eye	(0)	(1)	(0)	(1)	(1)	(0)
URINARY SYSTEM						
Kidney	(10)	(2)	(1)	(10)	(10)	(9)
Casts Granular						8 (89%)
Casts Protein			1 (100%)			8 (89%)
Mineralization						8 (89%)
Renal Tubule, Necrosis						9 (100%)
Renal Tubule, Regeneration		2 (100%)			1 (10%)	1 (11%)
Urinary Bladder	(9)	(0)	(0)	(0)	(10)	(9)

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

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

Experiment Number: 88004-04

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

Date Report Requested: 10/18/2014

Test Type: 90-DAY

Test Compound: Divinylbenzene

Time Report Requested: 23:38:48

Species/Strain: Mouse/B6C3F1

CAS Number: 1321-74-0

First Dose M/F: NA / NA

Lab: BNW

B6C3F1 Mouse FEMALE	CONTROL	12.5 PPM	25 PPM	50 PPM	100 PPM	200 PPM
<b>Disposition Summary</b>						
Animals Initially In Study	10	10	10	10	10	10
Early Deaths						
Moribund Sacrifice						1
Natural Death						8
Survivors						
Terminal Sacrifice	10	10	10	10	10	1
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)	(7)	(4)
Intestine Large, Cecum	(10)	(0)	(0)	(0)	(10)	(7)
Intestine Large, Colon	(10)	(0)	(0)	(0)	(10)	(9)
Intestine Large, Rectum	(10)	(0)	(0)	(0)	(10)	(9)
Intestine Small, Duodenum	(10)	(0)	(0)	(0)	(10)	(4)
Intestine Small, Ileum	(10)	(0)	(0)	(0)	(10)	(5)
Intestine Small, Jejunum	(10)	(0)	(0)	(0)	(10)	(3)
Liver	(10)	(0)	(0)	(0)	(10)	(10)
Centrilobular, Hypertrophy						4 (40%)
Centrilobular, Necrosis						9 (90%)
Infiltration Cellular, Histiocyte						7 (70%)
Mineralization						7 (70%)
Pigmentation						4 (40%)
Pancreas	(10)	(0)	(0)	(0)	(10)	(10)
Degeneration						1 (10%)
Mineralization						3 (30%)
Necrosis						3 (30%)
Salivary Glands	(10)	(0)	(0)	(0)	(10)	(10)
Necrosis						2 (20%)

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

Experiment Number: 88004-04

Test Type: 90-DAY

Species/Strain: Mouse/B6C3F1

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

Test Compound: Divinylbenzene

CAS Number: 1321-74-0

Date Report Requested: 10/18/2014

Time Report Requested: 23:38:48

First Dose M/F: NA / NA

Lab: BNW

B6C3F1 Mouse FEMALE	CONTROL	12.5 PPM	25 PPM	50 PPM	100 PPM	200 PPM
Stomach, Forestomach	(10)	(0)	(0)	(10)	(10)	(10)
Hyperplasia, Squamous					1 (10%)	2 (20%)
Ulcer						8 (80%)
Stomach, Glandular	(10)	(0)	(0)	(0)	(10)	(6)
Mineralization						1 (17%)
CARDIOVASCULAR SYSTEM						
Blood Vessel	(0)	(0)	(0)	(0)	(0)	(1)
Heart	(10)	(0)	(0)	(0)	(10)	(10)
Mineralization						5 (50%)
ENDOCRINE SYSTEM						
Adrenal Cortex	(10)	(1)	(10)	(10)	(10)	(10)
Degeneration	1 (10%)	1 (100%)	1 (10%)	2 (20%)	4 (40%)	8 (80%)
Adrenal Medulla	(10)	(0)	(0)	(0)	(10)	(10)
Islets, Pancreatic	(10)	(0)	(0)	(0)	(10)	(10)
Parathyroid Gland	(10)	(0)	(0)	(0)	(9)	(9)
Pituitary Gland	(10)	(0)	(0)	(0)	(9)	(9)
Thyroid Gland	(10)	(0)	(0)	(0)	(10)	(10)
GENERAL BODY SYSTEM						
None						
GENITAL SYSTEM						
Clitoral Gland	(9)	(0)	(0)	(0)	(9)	(6)
Ovary	(10)	(0)	(0)	(0)	(10)	(10)
Pigmentation, Hemosiderin					1 (10%)	
Uterus	(10)	(0)	(0)	(0)	(10)	(10)
HEMATOPOIETIC SYSTEM						
Bone Marrow	(10)	(0)	(0)	(0)	(10)	(10)
Cytologic Alterations						8 (80%)
Lymph Node, Bronchial	(9)	(0)	(0)	(0)	(10)	(7)

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

Experiment Number: 88004-04

Test Type: 90-DAY

Species/Strain: Mouse/B6C3F1

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

Test Compound: Divinylbenzene

CAS Number: 1321-74-0

Date Report Requested: 10/18/2014

Time Report Requested: 23:38:48

First Dose M/F: NA / NA

Lab: BNW

B6C3F1 Mouse FEMALE	CONTROL	12.5 PPM	25 PPM	50 PPM	100 PPM	200 PPM
Atrophy						3 (43%)
Lymph Node, Mandibular	(10)	(0)	(0)	(0)	(8)	(8)
Atrophy						4 (50%)
Lymph Node, Mediastinal	(5)	(0)	(0)	(0)	(4)	(4)
Atrophy						3 (75%)
Lymph Node, Mesenteric	(10)	(0)	(0)	(0)	(10)	(6)
Atrophy						3 (50%)
Spleen	(10)	(0)	(0)	(0)	(10)	(10)
Depletion Cellular						9 (90%)
Thymus	(10)	(0)	(0)	(0)	(10)	(9)
Atrophy						8 (89%)
<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>						
Brain	(10)	(0)	(0)	(0)	(10)	(10)
<b>RESPIRATORY SYSTEM</b>						
Larynx	(10)	(0)	(0)	(0)	(10)	(10)
Degeneration						2 (20%)
Metaplasia, Squamous					1 (10%)	
Lung	(10)	(0)	(0)	(0)	(10)	(10)
Bronchiole, Necrosis						2 (20%)
Bronchiole, Pigmentation						1 (10%)
Infiltration Cellular, Histiocyte					2 (20%)	
Nose	(10)	(10)	(10)	(10)	(10)	(10)
Glands, Atrophy					7 (70%)	5 (50%)

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



Experiment Number: 88004-04

Test Type: 90-DAY

Species/Strain: Mouse/B6C3F1

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

Test Compound: Divinylbenzene

CAS Number: 1321-74-0

Date Report Requested: 10/18/2014

Time Report Requested: 23:38:48

First Dose M/F: NA / NA

Lab: BNW

B6C3F1 Mouse FEMALE	CONTROL	12.5 PPM	25 PPM	50 PPM	100 PPM	200 PPM
Glands, Hyperplasia		10 (100%)	10 (100%)	10 (100%)	10 (100%)	3 (30%)
Glands, Necrosis						6 (60%)
Infiltration Cellular, Mixed Cell		9 (90%)	10 (100%)	10 (100%)	10 (100%)	5 (50%)
Lateral Wall, Necrosis						7 (70%)
Olfactory Epi, Atrophy		10 (100%)	10 (100%)	10 (100%)	10 (100%)	5 (50%)
Olfactory Epi, Degeneration, Hyaline		10 (100%)	10 (100%)	10 (100%)	10 (100%)	1 (10%)
Olfactory Epi, Necrosis			3 (30%)	10 (100%)	10 (100%)	10 (100%)
Respirat Epith, Degeneration, Hyaline		10 (100%)	6 (60%)	6 (60%)	1 (10%)	
Trachea	(10)	(0)	(0)	(0)	(10)	(10)
Degeneration						2 (20%)
SPECIAL SENSES SYSTEM						
Eye	(1)	(0)	(0)	(0)	(0)	(0)
URINARY SYSTEM						
Kidney	(10)	(0)	(2)	(10)	(10)	(10)
Casts Granular						8 (80%)
Casts Protein			1 (50%)			7 (70%)
Mineralization						5 (50%)
Renal Tubule, Necrosis						9 (90%)
Renal Tubule, Regeneration	1 (10%)		1 (50%)		1 (10%)	5 (50%)
Urinary Bladder	(10)	(0)	(0)	(0)	(10)	(8)

\*\* END OF REPORT \*\*