

Experiment Number: 88124-02

Test Type: 90-DAY

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Mouse/B6C3F1

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

Test Compound: Indium phosphide

CAS Number: 22398-80-7

Date Report Requested: 10/20/2014

Time Report Requested: 04:24:51

First Dose M/F: NA / NA

Lab: BNW

C Number:	C88124
Lock Date:	01/24/1996
Cage Range:	All
Date Range:	All
Reasons For Removal:	All
Removal Date Range:	All
Treatment Groups:	All
Study Gender:	Both
PWG Approval Date	NONE

Experiment Number: 88124-02

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

Date Report Requested: 10/20/2014

Test Type: 90-DAY

Test Compound: Indium phosphide

Time Report Requested: 04:24:51

Route: RESPIRATORY EXPOSURE WHOLE BODY

CAS Number: 22398-80-7

First Dose M/F: NA / NA

Species/Strain: Mouse/B6C3F1

Lab: BNW

B6C3F1 Mouse MALE	CONTROL	1.0 MG/M3	3.0 MG/M3	10.0 MG/M3	30.0 MG/M3	100.0 MG/M3
Disposition Summary						
Animals Initially In Study	10	10	10	10	10	10
Early Deaths						
Moribund Sacrifice					1	9
Natural Death						1
Survivors						
Terminal Sacrifice	10	10	10	10	9	
Animals Examined Microscopically	10	10	10	10	10	10
ALIMENTARY SYSTEM						
Esophagus	(10)	(0)	(0)	(0)	(10)	(10)
Gallbladder	(10)	(0)	(0)	(0)	(9)	(8)
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)	(9)
Intestine Small, Ileum	(10)	(0)	(0)	(0)	(10)	(9)
Intestine Small, Jejunum	(10)	(0)	(0)	(0)	(10)	(9)
Liver	(10)	(0)	(0)	(1)	(10)	(10)
Inflammation, Focal						1 (10%)
Necrosis, Focal	1 (10%)			1 (100%)	1 (10%)	
Pancreas	(10)	(0)	(0)	(0)	(10)	(10)
Salivary Glands	(10)	(0)	(0)	(0)	(10)	(10)
Stomach, Forestomach	(10)	(0)	(0)	(0)	(10)	(10)
Epithelium, Hyperplasia						1 (10%)
Ulcer						1 (10%)
Stomach, Glandular	(10)	(0)	(0)	(0)	(10)	(10)
CARDIOVASCULAR SYSTEM						
Heart	(10)	(10)	(10)	(10)	(10)	(10)
Cardiomyopathy					1 (10%)	1 (10%)

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

Experiment Number: 88124-02

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

Date Report Requested: 10/20/2014

Test Type: 90-DAY

Test Compound: Indium phosphide

Time Report Requested: 04:24:51

Route: RESPIRATORY EXPOSURE WHOLE BODY

CAS Number: 22398-80-7

First Dose M/F: NA / NA

Species/Strain: Mouse/B6C3F1

Lab: BNW

B6C3F1 Mouse MALE	CONTROL	1.0 MG/M3	3.0 MG/M3	10.0 MG/M3	30.0 MG/M3	100.0 MG/M3
ENDOCRINE SYSTEM						
Adrenal Cortex	(10)	(0)	(0)	(0)	(10)	(10)
Hypertrophy	1 (10%)					
Adrenal Medulla	(10)	(0)	(0)	(0)	(10)	(10)
Islets, Pancreatic	(10)	(0)	(0)	(0)	(10)	(9)
Parathyroid Gland	(7)	(0)	(0)	(0)	(4)	(4)
Pituitary Gland	(10)	(0)	(0)	(0)	(9)	(10)
Thyroid Gland	(10)	(0)	(0)	(0)	(10)	(10)
GENERAL BODY SYSTEM						
None						
GENITAL SYSTEM						
Epididymis	(10)	(0)	(0)	(0)	(10)	(10)
Penis	(0)	(0)	(0)	(0)	(1)	(2)
Congestion						1 (50%)
Inflammation					1 (100%)	
Preputial Gland	(10)	(0)	(0)	(0)	(10)	(10)
Prostate	(10)	(0)	(0)	(0)	(10)	(10)
Seminal Vesicle	(10)	(0)	(0)	(0)	(10)	(10)
Testes	(9)	(0)	(0)	(0)	(10)	(10)
HEMATOPOIETIC SYSTEM						
Bone Marrow	(10)	(10)	(10)	(10)	(10)	(10)
Hyperplasia						2 (20%)
Lymph Node, Bronchial	(8)	(10)	(10)	(10)	(10)	(7)
Hyperplasia		10 (100%)	10 (100%)	10 (100%)	8 (80%)	7 (100%)
Pigmentation		10 (100%)	10 (100%)	10 (100%)	10 (100%)	7 (100%)
Lymph Node, Mandibular	(7)	(0)	(0)	(0)	(7)	(7)
Lymph Node, Mediastinal	(4)	(6)	(1)	(3)	(5)	(6)
Hyperplasia		1 (17%)		1 (33%)	2 (40%)	3 (50%)

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

Experiment Number: 88124-02

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

Date Report Requested: 10/20/2014

Test Type: 90-DAY

Test Compound: Indium phosphide

Time Report Requested: 04:24:51

Route: RESPIRATORY EXPOSURE WHOLE BODY

CAS Number: 22398-80-7

First Dose M/F: NA / NA

Species/Strain: Mouse/B6C3F1

Lab: BNW

B6C3F1 Mouse MALE	CONTROL	1.0 MG/M3	3.0 MG/M3	10.0 MG/M3	30.0 MG/M3	100.0 MG/M3
Pigmentation		2 (33%)		1 (33%)	2 (40%)	4 (67%)
Lymph Node, Mesenteric	(10)	(0)	(0)	(0)	(8)	(9)
Spleen	(10)	(10)	(10)	(9)	(9)	(10)
Hematopoietic Cell Proliferation		5 (50%)	3 (30%)	3 (33%)	6 (67%)	9 (90%)
Thymus	(10)	(9)	(10)	(10)	(7)	(7)
Atrophy					1 (14%)	7 (100%)
INTEGUMENTARY SYSTEM						
Skin	(10)	(0)	(0)	(0)	(10)	(10)
MUSCULOSKELETAL SYSTEM						
Bone	(10)	(0)	(0)	(0)	(10)	(10)
NERVOUS SYSTEM						
Brain	(10)	(0)	(0)	(0)	(10)	(10)
RESPIRATORY SYSTEM						
Larynx	(10)	(10)	(10)	(10)	(10)	(10)
Epiglottis, Metaplasia, Squamous	1 (10%)			9 (90%)	8 (80%)	9 (90%)
Foreign Body		2 (20%)	2 (20%)	6 (60%)	6 (60%)	4 (40%)
Inflammation, Suppurative	1 (10%)	3 (30%)		1 (10%)	5 (50%)	4 (40%)
Necrosis	2 (20%)	4 (40%)	1 (10%)	2 (20%)	3 (30%)	4 (40%)
Respirat Epith, Degeneration, Hyaline	1 (10%)					
Squam Epithel, Hyperplasia				3 (30%)	9 (90%)	8 (80%)
Lung	(10)	(10)	(10)	(10)	(10)	(10)
Alveolar Epith, Hyperplasia		10 (100%)	10 (100%)	10 (100%)	10 (100%)	10 (100%)
Alveolus, Proteinosis		10 (100%)	10 (100%)	10 (100%)	10 (100%)	10 (100%)
Foreign Body		10 (100%)	10 (100%)	10 (100%)	10 (100%)	10 (100%)
Inflammation, Chronic Active		10 (100%)	10 (100%)	10 (100%)	9 (90%)	10 (100%)
Interstitialium, Fibrosis		10 (100%)	10 (100%)	10 (100%)	10 (100%)	10 (100%)
Nose	(10)	(10)	(10)	(10)	(10)	(10)
Foreign Body				2 (20%)	1 (10%)	9 (90%)

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

Experiment Number: 88124-02

Test Type: 90-DAY

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Mouse/B6C3F1

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

Test Compound: Indium phosphide

CAS Number: 22398-80-7

Date Report Requested: 10/20/2014

Time Report Requested: 04:24:51

First Dose M/F: NA / NA

Lab: BNW

B6C3F1 Mouse MALE	CONTROL	1.0 MG/M3	3.0 MG/M3	10.0 MG/M3	30.0 MG/M3	100.0 MG/M3
Inflammation						1 (10%)
Inflammation, Suppurative			1 (10%)			
Trachea	(10)	(10)	(10)	(10)	(10)	(10)
Foreign Body			2 (20%)	3 (30%)	3 (30%)	3 (30%)
SPECIAL SENSES SYSTEM						
Eye	(0)	(0)	(0)	(1)	(0)	(0)
URINARY SYSTEM						
Kidney	(10)	(0)	(1)	(0)	(10)	(10)
Infarct						1 (10%)
Nephropathy	2 (20%)					1 (10%)
Urinary Bladder	(10)	(0)	(0)	(0)	(10)	(10)
Inflammation, Chronic	1 (10%)					

END OF MALE DATA

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

Experiment Number: 88124-02

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

Date Report Requested: 10/20/2014

Test Type: 90-DAY

Test Compound: Indium phosphide

Time Report Requested: 04:24:51

Route: RESPIRATORY EXPOSURE WHOLE BODY

CAS Number: 22398-80-7

First Dose M/F: NA / NA

Species/Strain: Mouse/B6C3F1

Lab: BNW

B6C3F1 Mouse FEMALE	CONTROL	1.0 MG/M3	3.0 MG/M3	10.0 MG/M3	30.0 MG/M3	100.0 MG/M3
Disposition Summary						
Animals Initially In Study	10	10	10	10	10	10
Early Deaths						
Accidentally Killed					1	
Moribund Sacrifice					1	10
Natural Death					2	
Survivors						
Terminal Sacrifice	10	10	10	10	6	
Animals Examined Microscopically	10	10	10	10	10	10
ALIMENTARY SYSTEM						
Esophagus	(10)	(0)	(0)	(0)	(10)	(10)
Gallbladder	(10)	(0)	(0)	(0)	(8)	(10)
Intestine Large, Cecum	(10)	(0)	(0)	(0)	(8)	(10)
Intestine Large, Colon	(10)	(0)	(0)	(0)	(8)	(10)
Intestine Large, Rectum	(10)	(0)	(0)	(0)	(9)	(10)
Intestine Small, Duodenum	(10)	(0)	(0)	(0)	(8)	(10)
Intestine Small, Ileum	(10)	(0)	(0)	(0)	(8)	(10)
Intestine Small, Jejunum	(10)	(0)	(0)	(0)	(8)	(10)
Liver	(10)	(0)	(0)	(0)	(10)	(10)
Inflammation, Focal	3 (30%)					
Pancreas	(10)	(0)	(0)	(0)	(9)	(10)
Salivary Glands	(10)	(10)	(10)	(10)	(10)	(10)
Degeneration					3 (30%)	9 (90%)
Stomach, Forestomach	(10)	(0)	(0)	(0)	(9)	(10)
Stomach, Glandular	(10)	(0)	(0)	(0)	(9)	(10)
CARDIOVASCULAR SYSTEM						
Heart	(10)	(10)	(10)	(10)	(10)	(10)
Cardiomyopathy						1 (10%)

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

Experiment Number: 88124-02

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

Date Report Requested: 10/20/2014

Test Type: 90-DAY

Test Compound: Indium phosphide

Time Report Requested: 04:24:51

Route: RESPIRATORY EXPOSURE WHOLE BODY

CAS Number: 22398-80-7

First Dose M/F: NA / NA

Species/Strain: Mouse/B6C3F1

Lab: BNW

B6C3F1 Mouse FEMALE	CONTROL	1.0 MG/M3	3.0 MG/M3	10.0 MG/M3	30.0 MG/M3	100.0 MG/M3
ENDOCRINE SYSTEM						
Adrenal Cortex	(10)	(10)	(10)	(10)	(10)	(10)
Degeneration					8 (80%)	10 (100%)
Adrenal Medulla	(10)	(0)	(0)	(0)	(9)	(10)
Islets, Pancreatic	(10)	(0)	(0)	(0)	(9)	(10)
Parathyroid Gland	(4)	(0)	(0)	(0)	(6)	(4)
Pituitary Gland	(10)	(0)	(0)	(0)	(10)	(10)
Thyroid Gland	(10)	(0)	(0)	(0)	(10)	(9)
Inflammation	1 (10%)					
GENERAL BODY SYSTEM						
None						
GENITAL SYSTEM						
Clitoral Gland	(9)	(0)	(0)	(0)	(9)	(7)
Ovary	(9)	(10)	(10)	(10)	(10)	(10)
Atrophy					9 (90%)	9 (90%)
Cyst						1 (10%)
Oviduct	(1)	(0)	(0)	(0)	(0)	(0)
Uterus	(10)	(10)	(10)	(10)	(10)	(10)
Atrophy					4 (40%)	8 (80%)
Vagina	(0)	(0)	(1)	(0)	(0)	(0)
HEMATOPOIETIC SYSTEM						
Bone Marrow	(10)	(10)	(10)	(10)	(10)	(10)
Lymph Node, Bronchial	(9)	(10)	(10)	(10)	(8)	(10)
Hyperplasia		10 (100%)	10 (100%)	10 (100%)	6 (75%)	8 (80%)
Pigmentation		10 (100%)	10 (100%)	10 (100%)	8 (100%)	9 (90%)
Lymph Node, Mandibular	(9)	(0)	(0)	(0)	(6)	(9)
Lymph Node, Mediastinal	(0)	(2)	(3)	(1)	(4)	(6)
Hyperplasia		1 (50%)	1 (33%)		3 (75%)	1 (17%)

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

Experiment Number: 88124-02

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

Date Report Requested: 10/20/2014

Test Type: 90-DAY

Test Compound: Indium phosphide

Time Report Requested: 04:24:51

Route: RESPIRATORY EXPOSURE WHOLE BODY

CAS Number: 22398-80-7

First Dose M/F: NA / NA

Species/Strain: Mouse/B6C3F1

Lab: BNW

B6C3F1 Mouse FEMALE	CONTROL	1.0 MG/M3	3.0 MG/M3	10.0 MG/M3	30.0 MG/M3	100.0 MG/M3
Pigmentation					3 (75%)	3 (50%)
Lymph Node, Mesenteric	(10)	(0)	(0)	(0)	(9)	(9)
Hyperplasia						1 (11%)
Spleen	(10)	(10)	(10)	(10)	(9)	(10)
Hematopoietic Cell Proliferation	1 (10%)	3 (30%)	3 (30%)		6 (67%)	5 (50%)
Thymus	(10)	(10)	(10)	(10)	(9)	(9)
Atrophy					3 (33%)	9 (100%)
INTEGUMENTARY SYSTEM						
Mammary Gland	(10)	(10)	(10)	(10)	(10)	(10)
Fat, Atrophy					3 (30%)	10 (100%)
Skin	(10)	(1)	(0)	(0)	(10)	(10)
Subcut Tiss, Hemorrhage					1 (10%)	
MUSCULOSKELETAL SYSTEM						
Bone	(10)	(0)	(0)	(0)	(10)	(10)
Skeletal Muscle	(0)	(1)	(0)	(0)	(0)	(0)
NERVOUS SYSTEM						
Brain	(10)	(0)	(0)	(0)	(10)	(10)
Hemorrhage					1 (10%)	
Necrosis, Focal					1 (10%)	
RESPIRATORY SYSTEM						
Larynx	(10)	(10)	(10)	(10)	(10)	(10)
Epiglottis, Metaplasia, Squamous				4 (40%)	5 (50%)	5 (50%)
Foreign Body			1 (10%)	5 (50%)	4 (40%)	6 (60%)
Inflammation, Suppurative	1 (10%)				1 (10%)	6 (60%)
Necrosis	1 (10%)				3 (30%)	5 (50%)
Squam Epithel, Hyperplasia			1 (10%)	4 (40%)	7 (70%)	10 (100%)
Lung	(10)	(10)	(10)	(10)	(10)	(10)
Alveolar Epith, Hyperplasia		10 (100%)	10 (100%)	10 (100%)	10 (100%)	10 (100%)

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

Experiment Number: 88124-02

Test Type: 90-DAY

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Mouse/B6C3F1

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

Test Compound: Indium phosphide

CAS Number: 22398-80-7

Date Report Requested: 10/20/2014

Time Report Requested: 04:24:51

First Dose M/F: NA / NA

Lab: BNW

B6C3F1 Mouse FEMALE	CONTROL	1.0 MG/M3	3.0 MG/M3	10.0 MG/M3	30.0 MG/M3	100.0 MG/M3
Alveolus, Proteinosis		10 (100%)	10 (100%)	10 (100%)	10 (100%)	10 (100%)
Foreign Body		10 (100%)	10 (100%)	10 (100%)	10 (100%)	10 (100%)
Inflammation, Chronic Active		10 (100%)	10 (100%)	10 (100%)	9 (90%)	10 (100%)
Interstitial, Fibrosis		10 (100%)	10 (100%)	10 (100%)	9 (90%)	10 (100%)
Nose	(10)	(10)	(10)	(10)	(10)	(10)
Foreign Body				2 (20%)	3 (30%)	10 (100%)
Trachea	(10)	(10)	(9)	(10)	(10)	(10)
Foreign Body			1 (11%)	6 (60%)	1 (10%)	5 (50%)
SPECIAL SENSES SYSTEM						
Eye	(0)	(0)	(0)	(0)	(1)	(0)
Zymbal's Gland	(0)	(0)	(1)	(0)	(0)	(0)
URINARY SYSTEM						
Kidney	(10)	(0)	(0)	(0)	(10)	(10)
Infarct					1 (10%)	
Nephropathy	1 (10%)					
Urinary Bladder	(10)	(0)	(0)	(0)	(9)	(10)

** END OF REPORT **