

Experiment Number: 50051 - 02
Test Type: 14-WEEK
Route: DOSED WATER
Species/Strain: MICE/B6C3F1

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

Ionic Liquid: 1-Butyl-1-methylpyrrolidinium Chloride

CAS Number: 479500-35-1

Date Report Requested: 01/08/2020

Time Report Requested: 11:05:18

First Dose M/F: 08/21/13 / 08/20/13

Lab: BAT

Final_1 - BMPY Mice

NTP Study Number: C05051
Lock Date: 05/25/2018
Cage Range: ALL
Date Range: ALL
Reasons For Removal: ALL
Removal Date Range: ALL
Treatment Groups: Include ALL
Study Gender: Both
TDMSE Version: 3.0.2.3_002
PWG Approval Date: NONE

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B6C3F1 MICE MALE

0 mg/mL male

1 mg/mL male

3 mg/mL male

10 mg/mL male

Disposition Summary

Animals Initially In Study	10	10	10	10
Early Deaths				
Survivors				
Terminal Sacrifice	10	10	10	10
Animals Examined Microscopically	10	10	10	10

ALIMENTARY SYSTEM

Esophagus	(10)	(0)	(0)	(10)
Gallbladder	(9)	(0)	(0)	(10)
Intestine Large, Cecum	(10)	(0)	(0)	(10)
Intestine Large, Colon	(10)	(0)	(0)	(10)
Intestine Large, Rectum	(10)	(0)	(0)	(10)
Intestine Small, Duodenum	(10)	(0)	(0)	(10)
Intestine Small, Ileum	(10)	(0)	(0)	(10)
Intestine Small, Jejunum	(10)	(0)	(0)	(10)
Liver	(10)	(0)	(0)	(10)
Infiltration Cellular, Mononuclear Cell	1 (10%)			
Pancreas	(10)	(0)	(0)	(10)
Salivary Glands	(10)	(0)	(0)	(9)
Stomach, Forestomach	(10)	(0)	(0)	(10)
Stomach, Glandular	(10)	(0)	(0)	(10)

CARDIOVASCULAR SYSTEM

Blood Vessel	(10)	(0)	(0)	(10)
Heart	(10)	(0)	(0)	(10)
Cardiomyopathy	2 (20%)			1 (10%)
Valve, Degeneration, Myxomatous				1 (10%)

ENDOCRINE SYSTEM

Adrenal Cortex	(10)	(0)	(0)	(10)
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a - Number of animals examined microscopically at site and number of animals with lesion

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B6C3F1 MICE MALE	0 mg/mL male	1 mg/mL male	3 mg/mL male	10 mg/mL male
Adrenal Medulla	(10)	(0)	(0)	(10)
Islets, Pancreatic	(10)	(0)	(0)	(10)
Parathyroid Gland	(9)	(0)	(0)	(9)
Pituitary Gland	(10)	(0)	(0)	(10)
Thyroid Gland	(10)	(0)	(0)	(10)

GENERAL BODY SYSTEM

None

GENITAL SYSTEM

Epididymis	(10)	(0)	(0)	(10)
Preputial Gland	(10)	(0)	(0)	(10)
Prostate	(10)	(0)	(0)	(10)
Seminal Vesicle	(10)	(0)	(0)	(10)
Testis	(10)	(0)	(0)	(10)

HEMATOPOIETIC SYSTEM

Bone Marrow	(10)	(0)	(0)	(10)
Lymph Node, Mandibular	(10)	(0)	(0)	(9)
Lymph Node, Mesenteric	(10)	(0)	(0)	(10)
Spleen	(10)	(0)	(0)	(10)
Thymus	(10)	(0)	(0)	(10)

INTEGUMENTARY SYSTEM

Mammary Gland	(0)	(0)	(0)	(1)
Skin	(10)	(0)	(0)	(10)

MUSCULOSKELETAL SYSTEM

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B6C3F1 MICE MALE	0 mg/mL male	1 mg/mL male	3 mg/mL male	10 mg/mL male
Bone	(10)	(0)	(0)	(10)
<hr/>				
NERVOUS SYSTEM				
Brain	(10)	(0)	(0)	(10)
<hr/>				
RESPIRATORY SYSTEM				
Lung	(10)	(0)	(0)	(10)
Alveolus, Infiltration Cellular, Histiocyte	1 (10%)			
Nose	(10)	(0)	(0)	(10)
Trachea	(10)	(0)	(0)	(10)
<hr/>				
SPECIAL SENSES SYSTEM				
Eye	(10)	(0)	(0)	(10)
Harderian Gland	(10)	(0)	(0)	(10)
<hr/>				
URINARY SYSTEM				
Kidney	(10)	(10)	(10)	(10)
Nephropathy, Chronic Progressive	1 (10%)		1 (10%)	2 (20%)
Renal Tubule, Cytoplasmic Alteration				5 (50%)
Urethra	(1)	(0)	(0)	(0)
Urinary Bladder	(10)	(0)	(0)	(10)

*** END OF MALE ***

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B6C3F1 MICE FEMALE

0 mg/mL female

1 mg/mL female

3 mg/mL female

6 mg/mL female

Disposition Summary

Animals Initially In Study	10	10	10	10
Early Deaths				
Survivors				
Terminal Sacrifice	10	10	10	10
Animals Examined Microscopically	10	10	10	10

ALIMENTARY SYSTEM

Esophagus	(10)	(0)	(0)	(10)
Gallbladder	(10)	(0)	(0)	(10)
Intestine Large, Cecum	(10)	(0)	(0)	(10)
Intestine Large, Colon	(10)	(0)	(0)	(10)
Intestine Large, Rectum	(10)	(0)	(0)	(10)
Intestine Small, Duodenum	(10)	(0)	(0)	(10)
Intestine Small, Ileum	(10)	(0)	(0)	(10)
Intestine Small, Jejunum	(10)	(0)	(0)	(10)
Liver	(10)	(0)	(0)	(10)
Infiltration Cellular, Mononuclear Cell	1 (10%)			
Inflammation, Chronic Active				1 (10%)
Pancreas	(10)	(0)	(0)	(10)
Salivary Glands	(10)	(0)	(0)	(10)
Stomach, Forestomach	(10)	(0)	(0)	(10)
Stomach, Glandular	(10)	(0)	(0)	(10)

CARDIOVASCULAR SYSTEM

Blood Vessel	(10)	(0)	(0)	(10)
Heart	(10)	(0)	(0)	(10)
Cardiomyopathy	1 (10%)			

ENDOCRINE SYSTEM

Adrenal Cortex	(10)	(10)	(10)	(10)
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B6C3F1 MICE FEMALE	0 mg/mL female	1 mg/mL female	3 mg/mL female	6 mg/mL female
X-zone, Persistent		1 (10%)	4 (40%)	4 (40%)
Adrenal Medulla	(10)	(0)	(0)	(10)
Islets, Pancreatic	(10)	(0)	(0)	(10)
Parathyroid Gland	(9)	(0)	(0)	(6)
Pituitary Gland	(10)	(0)	(0)	(9)
Thyroid Gland	(10)	(0)	(0)	(10)

GENERAL BODY SYSTEM

None

GENITAL SYSTEM

Clitoral Gland	(9)	(0)	(0)	(9)
Ovary	(10)	(0)	(1)	(10)
Cyst				1 (10%)
Follicle, Cyst			1 (100%)	
Follicle, Polyovular				1 (10%)
Uterus	(10)	(0)	(0)	(10)
Decidual Reaction	1 (10%)			
Endometrium, Hyperplasia, Cystic	1 (10%)			1 (10%)

HEMATOPOIETIC SYSTEM

Bone Marrow	(10)	(0)	(0)	(10)
Lymph Node, Mandibular	(8)	(0)	(0)	(10)
Lymph Node, Mesenteric	(10)	(0)	(0)	(10)
Spleen	(10)	(0)	(0)	(10)
Thymus	(10)	(0)	(0)	(10)

INTEGUMENTARY SYSTEM

Mammary Gland	(10)	(0)	(0)	(10)
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B6C3F1 MICE FEMALE	0 mg/mL female	1 mg/mL female	3 mg/mL female	6 mg/mL female
Skin	(10)	(0)	(0)	(9)
<hr/>				
MUSCULOSKELETAL SYSTEM				
Bone	(10)	(0)	(0)	(10)
<hr/>				
NERVOUS SYSTEM				
Brain	(10)	(0)	(0)	(10)
<hr/>				
RESPIRATORY SYSTEM				
Lung	(9)	(0)	(0)	(10)
Nose	(10)	(0)	(0)	(10)
Trachea	(10)	(0)	(0)	(10)
<hr/>				
SPECIAL SENSES SYSTEM				
Eye	(10)	(0)	(0)	(10)
Harderian Gland	(10)	(0)	(0)	(10)
<hr/>				
URINARY SYSTEM				
Kidney	(10)	(10)	(10)	(10)
Nephropathy, Chronic Progressive	1 (10%)	3 (30%)	1 (10%)	
Urinary Bladder	(10)	(0)	(0)	(10)

*** END OF REPORT ***

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