

**Experiment Number:** 50052 - 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: N-Butylpyridinium Chloride

**CAS Number:** 1124-64-7

**Date Report Requested:** 01/08/2020

**Time Report Requested:** 11:03:27

**First Dose M/F:** 09/18/13 / 09/17/13

**Lab:** BAT

Final\_1 - NBUPY Mice

**NTP Study Number:** C05052  
**Lock Date:** 02/26/2018  
**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	6 mg/mL male
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## Disposition Summary

<b>Animals Initially In Study</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>
<b>Early Deaths</b>				
<b>Survivors</b>				
<b>Terminal Sacrifice</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>
<b>Animals Examined Microscopically</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>

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## 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)
Extramedullary Hematopoiesis	1 (10%)			
Inflammation, Chronic Active	1 (10%)			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)

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## CARDIOVASCULAR SYSTEM

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

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## 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	6 mg/mL male
Adrenal Medulla	(10)	(0)	(0)	(10)
Islets, Pancreatic	(10)	(0)	(0)	(10)
Parathyroid Gland	(7)	(0)	(0)	(5)
Pituitary Gland	(10)	(0)	(0)	(10)
Thyroid Gland	(10)	(0)	(0)	(10)

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GENERAL BODY SYSTEM

None

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GENITAL SYSTEM

Epididymis	(10)	(0)	(0)	(10)
Preputial Gland	(10)	(0)	(0)	(10)
Infiltration Cellular, Mononuclear Cell				1 (10%)
Prostate	(10)	(0)	(0)	(10)
Seminal Vesicle	(10)	(0)	(0)	(10)
Testis	(10)	(0)	(0)	(10)

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HEMATOPOIETIC SYSTEM

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

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INTEGUMENTARY SYSTEM

Mammary Gland	(0)	(0)	(0)	(1)
Skin	(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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Test Type: 14-WEEK

Route: DOSED WATER

Species/Strain: MICE/B6C3F1

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

Ionic Liquid: N-Butylpyridinium Chloride

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Lab: BAT

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B6C3F1 MICE MALE	0 mg/mL male	1 mg/mL male	3 mg/mL male	6 mg/mL male
<hr/>				
MUSCULOSKELETAL SYSTEM				
Bone	(10)	(0)	(0)	(10)
<hr/>				
NERVOUS SYSTEM				
Brain	(10)	(0)	(0)	(10)
<hr/>				
RESPIRATORY SYSTEM				
Lung	(10)	(0)	(0)	(10)
Inflammation, Chronic Active				1 (10%)
Nose	(10)	(0)	(0)	(10)
Trachea	(10)	(0)	(0)	(10)
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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	2 (20%)		4 (40%)	8 (80%)
Papilla, Mineral				1 (10%)
Renal Tubule, Cytoplasmic Alteration				10 (100%)
Urethra	(0)	(0)	(0)	(1)
Urinary Bladder	(10)	(0)	(0)	(10)

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\*\*\* 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
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## 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

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## 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)
Extramedullary Hematopoiesis	2 (20%)			
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)

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## CARDIOVASCULAR SYSTEM

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

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## 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		2 (20%)	3 (30%)	9 (90%)
Adrenal Medulla	(10)	(0)	(0)	(10)
Islets, Pancreatic	(10)	(0)	(0)	(9)
Parathyroid Gland	(6)	(0)	(0)	(10)
Pituitary Gland	(10)	(0)	(0)	(10)
Thyroid Gland	(10)	(0)	(0)	(10)

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GENERAL BODY SYSTEM

None

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GENITAL SYSTEM

Clitoral Gland	(7)	(0)	(0)	(9)
Ovary	(10)	(0)	(0)	(10)
Uterus	(10)	(0)	(0)	(10)

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HEMATOPOIETIC SYSTEM

Bone Marrow	(10)	(0)	(0)	(10)
Lymph Node, Mandibular	(10)	(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)
Skin	(10)	(0)	(0)	(10)
Inflammation, Chronic Active	1 (10%)			

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MUSCULOSKELETAL SYSTEM

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B6C3F1 MICE FEMALE	0 mg/mL female	1 mg/mL female	3 mg/mL female	6 mg/mL female
Bone	(10)	(0)	(0)	(10)
<hr/>				
NERVOUS SYSTEM				
Brain	(10)	(0)	(0)	(10)
<hr/>				
RESPIRATORY SYSTEM				
Lung	(10)	(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)
Inflammation, Chronic Active	1 (10%)			
Nephropathy, Chronic Progressive	2 (20%)		2 (20%)	5 (50%)
Urinary Bladder	(10)	(0)	(0)	(9)

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

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