

**Experiment Number:** 50050 - 02

**P18: INCIDENCE RATES OF NON-NEOPLASTIC LESIONS BY ANATOMIC SITE (a) WITH  
AVERAGE SEVERITY GRADES[b]**

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

**Test Type:** 14-WEEK

Ionic Liquid: 1-Butyl-3-methylimidazolium Chloride

**Time Report Requested:** 14:41:29

**Route:** DOSED WATER

**CAS Number:** 79917-90-1

**First Dose M/F:** 04/24/13 / 04/23/13

**Species/Strain:** MICE/B6C3F1

**Lab:** BAT

Final\_1 - BMIM Mice

**NTP Study Number:** C50050  
**Lock Date:** 01/08/2020  
**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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CAS Number: 79917-90-1

First Dose M/F: 04/24/13 / 04/23/13

Species/Strain: MICE/B6C3F1

Lab: BAT

B6C3F1 MICE MALE	0 mg/mL male	0.3 mg/mL male	1 mg/mL male	3 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>

## 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 [1.0]			
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)
Mineral	1 [1.0]			

## ENDOCRINE SYSTEM

Adrenal Cortex	(10)	(0)	(0)	(10)
Adrenal Medulla	(10)	(0)	(0)	(10)

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

b-Average severity grade(1-minimal;2-mild;3-moderate;4-marked)

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Lab: BAT

B6C3F1 MICE MALE	0 mg/mL male	0.3 mg/mL male	1 mg/mL male	3 mg/mL male
Islets, Pancreatic	(10)	(0)	(0)	(10)
Parathyroid Gland	(10)	(0)	(0)	(7)
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

Skin	(10)	(0)	(0)	(10)
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## MUSCULOSKELETAL SYSTEM

Bone	(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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**P18: INCIDENCE RATES OF NON-NEOPLASTIC LESIONS BY ANATOMIC SITE (a) WITH  
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Species/Strain: MICE/B6C3F1

Lab: BAT

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B6C3F1 MICE MALE	0 mg/mL male	0.3 mg/mL male	1 mg/mL male	3 mg/mL male
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NERVOUS SYSTEM

Brain	(10)	(0)	(0)	(10)
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RESPIRATORY SYSTEM

Lung	(10)	(0)	(0)	(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)

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URINARY SYSTEM

Kidney	(10)	(10)	(10)	(10)
Nephropathy, Chronic Progressive	1 [1.0]	3 [1.0]		5 [1.0]
Interstitial, Infiltration Cellular, Mononuclear Cell			1 [1.0]	
Renal Tubule, Cytoplasmic Alteration				1 [1.0]
Urinary Bladder	(10)	(0)	(0)	(10)

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

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Lab: BAT

B6C3F1 MICE FEMALE	0 mg/mL female	0.3 mg/mL female	1 mg/mL female	3 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

ALIMENTARY SYSTEM

Esophagus	(10)	(0)	(0)	(9)
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)
Muscularis, Hyperplasia				1 [1.0]
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, Mixed Cell	4 [1.0]			1 [1.0]
Biliary Tract, Mineral				1 [2.0]
Pancreas	(10)	(0)	(0)	(10)
Salivary Glands	(10)	(0)	(0)	(10)
Stomach, Forestomach	(10)	(0)	(0)	(10)
Stomach, Glandular	(10)	(0)	(0)	(10)
Mineral				1 [1.0]

CARDIOVASCULAR SYSTEM

Blood Vessel	(10)	(0)	(0)	(10)
Heart	(10)	(0)	(0)	(10)

ENDOCRINE SYSTEM

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B6C3F1 MICE FEMALE	0 mg/mL female	0.3 mg/mL female	1 mg/mL female	3 mg/mL female
Adrenal Cortex	(10)	(10)	(10)	(10)
X-zone, Persistent		1		5
Adrenal Medulla	(10)	(0)	(0)	(10)
Islets, Pancreatic	(10)	(0)	(0)	(10)
Parathyroid Gland	(7)	(0)	(0)	(8)
Pituitary Gland	(10)	(0)	(0)	(10)
Thyroid Gland	(10)	(0)	(0)	(9)

## GENERAL BODY SYSTEM

None

## GENITAL SYSTEM

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

## 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)

## MUSCULOSKELETAL SYSTEM

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B6C3F1 MICE FEMALE	0 mg/mL female	0.3 mg/mL female	1 mg/mL female	3 mg/mL female
Bone	(10)	(0)	(0)	(10)
<b>NERVOUS SYSTEM</b>				
Brain	(10)	(0)	(0)	(10)
<b>RESPIRATORY SYSTEM</b>				
Lung	(10)	(0)	(0)	(10)
Nose	(10)	(0)	(0)	(10)
Trachea	(10)	(0)	(0)	(9)
<b>SPECIAL SENSES SYSTEM</b>				
Eye	(10)	(0)	(0)	(10)
Harderian Gland	(10)	(0)	(0)	(10)
<b>URINARY SYSTEM</b>				
Kidney	(10)	(10)	(10)	(10)
Metaplasia, Osseous	1			
Nephropathy, Chronic Progressive			1 [1.0]	3 [1.0]
Urinary Bladder	(10)	(0)	(0)	(9)

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

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

b-Average severity grade(1-minimal;2-mild;3-moderate;4-marked)