

Experiment Number: 07018 - 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-Ethyl-3-methylimidazolium Chloride

Time Report Requested: 11:05:52

Route: DOSED WATER

CAS Number: 65039-09-0

First Dose M/F: 05/08/13 / 05/07/13

Species/Strain: MICE/B6C3F1

Lab: BAT

Final\_1 - EMIM Mice

**NTP Study Number:** C07018  
**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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Species/Strain: MICE/B6C3F1

Lab: BAT

B6C3F1 MICE MALE	0 mg/mL male	3 mg/mL male	10 mg/mL male	30 mg/mL male
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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)	(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 [1.0]
Inflammation, Chronic Active				1 [1.0]
Pancreas	(10)	(0)	(0)	(10)
Salivary Glands	(10)	(0)	(0)	(10)
Stomach, Forestomach	(10)	(0)	(1)	(10)
Epithelium, Cyst			1	
Stomach, Glandular	(10)	(0)	(0)	(10)

## CARDIOVASCULAR SYSTEM

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

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	3 mg/mL male	10 mg/mL male	30 mg/mL male
Adrenal Medulla	(10)	(0)	(0)	(10)
Islets, Pancreatic	(10)	(0)	(0)	(10)
Hyperplasia	1 [1.0]			
Parathyroid Gland	(9)	(0)	(0)	(7)
Pituitary Gland	(10)	(0)	(0)	(10)
Thyroid Gland	(10)	(0)	(0)	(10)
Cyst	1			

## GENERAL BODY SYSTEM

None

## GENITAL SYSTEM

Epididymis	(10)	(0)	(0)	(10)
Preputial Gland	(10)	(0)	(0)	(10)
Atrophy				1 [2.0]
Prostate	(10)	(0)	(0)	(10)
Seminal Vesicle	(10)	(0)	(0)	(10)
Testis	(10)	(0)	(0)	(10)
Germinal Epithelium, Degeneration				1 [1.0]

## 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

Skin	(10)	(0)	(0)	(10)
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Lab: BAT

B6C3F1 MICE MALE	0 mg/mL male	3 mg/mL male	10 mg/mL male	30 mg/mL male
<b>MUSCULOSKELETAL SYSTEM</b>				
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)	(10)
<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)
Infarct				2 [1.0]
Infiltration Cellular, Mononuclear Cell			1 [1.0]	
Nephropathy, Chronic Progressive	1 [1.0]	1 [1.0]	2 [1.0]	8 [1.0]
Renal Tubule, Cytoplasmic Alteration				9 [1.7]
Urinary Bladder	(10)	(0)	(0)	(10)

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

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B6C3F1 MICE FEMALE	0 mg/mL female	3 mg/mL female	10 mg/mL female	30 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)	(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 [1.0]			
Inflammation, Chronic Active	1 [1.0]			3 [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)

## ENDOCRINE SYSTEM

Adrenal Cortex	(10)	(10)	(10)	(10)
X-zone, Persistent		1		8

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Adrenal Medulla	(10)	(0)	(0)	(10)
Islets, Pancreatic	(10)	(0)	(0)	(9)
Parathyroid Gland	(7)	(0)	(0)	(9)
Pituitary Gland	(10)	(0)	(0)	(10)
Pars Intermedia, Hyperplasia	1 [1.0]			
Thyroid Gland	(10)	(0)	(0)	(10)

## GENERAL BODY SYSTEM

None

## GENITAL SYSTEM

Clitoral Gland	(10)	(0)	(0)	(9)
Atrophy				1 [4.0]
Ovary	(10)	(0)	(0)	(10)
Uterus	(10)	(1)	(0)	(10)
Decidual Reaction		1 [4.0]		
Arteriole, Hypertrophy		1 [2.0]		

## 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)	(9)

## INTEGUMENTARY SYSTEM

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

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B6C3F1 MICE FEMALE	0 mg/mL female	3 mg/mL female	10 mg/mL female	30 mg/mL female
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MUSCULOSKELETAL SYSTEM

Bone	(10)	(0)	(0)	(10)
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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	2 [1.0]		1 [1.0]	1 [1.0]
Pelvis, Dilation		1 [1.0]		
Renal Tubule, Cyst		1	1	
Urinary Bladder	(10)	(0)	(0)	(10)
Inflammation, Chronic Active	1 [1.0]			

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\*\*\* 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)