

Experiment Number: 05049 - 03

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

Date Report Requested: 04/24/2020

Test Type: 14-DAY

Route: DOSED WATER

Species/Strain: RATS/HSD

Ionic liquid Toxicity

CAS Number: IONICLIQUIDS

Time Report Requested: 11:25:09

First Dose M/F: 03/09/09 / 03/10/09

Lab: MBA

**NTP Study Number:** C05049

**Lock Date:** 12/04/2009

**Cage Range:** ALL

**Date Range:** ALL

**Reasons For Removal:** ALL

**Removal Date Range:** ALL

<b>Treatment Groups:</b>	Include 001 Control Male	Include 002 0.3mg/ml Bmim	Include 003 1.0 mg/ml Bmim
	Include 004 3.0 mg/ml Bmim	Include 015 Control Female	Include 016 0.3 mg/ml Bmim
	Include 017 1.0 mg/ml Bmim	Include 018 3.0 mg/ml Bmim	

**Study Gender:** Both

**TDMSE Version:** 3.0.2.3\_002

**PWG Approval Date:** NONE

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Species/Strain: RATS/HSD

Lab: MBA

Harlan Sprague Dawley RATS MALE

Control Male

0.3mg/ml Bmim

1.0 mg/ml Bmim

3.0 mg/ml Bmim

**Disposition Summary**

Animals Initially In Study

10

5

5

5

Early Deaths

Survivors

Terminal Sacrifice

10

5

5

5

Animals Examined Microscopically

10

5

5

5

## ALIMENTARY SYSTEM

Intestine Small, Duodenum

(10)

(0)

(0)

(5)

Intestine Small, Ileum

(10)

(0)

(0)

(5)

Intestine Small, Jejunum

(10)

(0)

(0)

(5)

Liver

(10)

(0)

(0)

(5)

Stomach, Forestomach

(10)

(0)

(0)

(5)

Stomach, Glandular

(10)

(0)

(0)

(5)

## CARDIOVASCULAR SYSTEM

Heart

(10)

(0)

(0)

(5)

Cardiomyopathy

8 [1.0]

3 [1.0]

## ENDOCRINE SYSTEM

None

## GENERAL BODY SYSTEM

None

## GENITAL SYSTEM

Testes

(10)

(0)

(0)

(5)

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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Harlan Sprague Dawley RATS MALE

Control Male

0.3mg/ml Bmim

1.0 mg/ml Bmim

3.0 mg/ml Bmim

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HEMATOPOIETIC SYSTEM

Spleen	(10)	(0)	(0)	(5)
Thymus	(10)	(0)	(0)	(5)

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INTEGUMENTARY SYSTEM

None

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MUSCULOSKELETAL SYSTEM

None

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NERVOUS SYSTEM

Brain	(10)	(0)	(0)	(5)
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RESPIRATORY SYSTEM

Lung	(10)	(0)	(0)	(5)
Metaplasia, Osseous	1 [1.0]			

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SPECIAL SENSES SYSTEM

None

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URINARY SYSTEM

Kidney	(10)	(0)	(0)	(5)
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Harlan Sprague Dawley RATS MALE

Control Male

0.3mg/ml Bmim

1.0 mg/ml Bmim

3.0 mg/ml Bmim

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

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Species/Strain: RATS/HSD

Lab: MBA

Harlan Sprague Dawley RATS FEMALE

Control Female

0.3 mg/ml Bmim

1.0 mg/ml Bmim

3.0 mg/ml Bmim

**Disposition Summary**

<b>Animals Initially In Study</b>	<b>10</b>	<b>5</b>	<b>5</b>	<b>5</b>
<b>Early Deaths</b>				
<b>Survivors</b>				
<b>Terminal Sacrifice</b>	<b>10</b>	<b>5</b>	<b>5</b>	<b>5</b>
<b>Animals Examined Microscopically</b>	<b>10</b>	<b>5</b>	<b>5</b>	<b>5</b>

## ALIMENTARY SYSTEM

Intestine Small, Duodenum	(10)	(0)	(0)	(5)
Intestine Small, Ileum	(10)	(0)	(0)	(5)
Intestine Small, Jejunum	(10)	(0)	(0)	(5)
Liver	(10)	(0)	(0)	(5)
Stomach, Forestomach	(10)	(0)	(0)	(5)
Stomach, Glandular	(10)	(0)	(0)	(5)

## CARDIOVASCULAR SYSTEM

Heart	(10)	(0)	(0)	(5)
Cardiomyopathy	10 [1.0]			2 [1.0]

## ENDOCRINE SYSTEM

None

## GENERAL BODY SYSTEM

None

## GENITAL SYSTEM

Ovary	(10)	(0)	(0)	(5)
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Control Female

0.3 mg/ml Bmim

1.0 mg/ml Bmim

3.0 mg/ml Bmim

## HEMATOPOIETIC SYSTEM

Spleen	(10)	(0)	(0)	(5)
Thymus	(10)	(0)	(0)	(5)

## INTEGUMENTARY SYSTEM

None

## MUSCULOSKELETAL SYSTEM

None

## NERVOUS SYSTEM

Brain	(10)	(0)	(0)	(5)
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## RESPIRATORY SYSTEM

Lung Hemorrhage	(10)	(1) 1 [1.0]	(0)	(5)
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## SPECIAL SENSES SYSTEM

None

## URINARY SYSTEM

Kidney Hyperplasia, Tubular	(10)	(0)	(0)	(5) 1 [1.0]
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\*\*\* END OF REPORT \*\*\*

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