

Experiment Number: 05049 - 04
Test Type: 14-DAY
Route: DOSED WATER
Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
Ionic liquid Toxicity
CAS Number: IONICLIQUIDS

Date Report Requested: 04/28/2020
Time Report Requested: 12:14:12
First Dose M/F: 03/12/09 / 03/13/09
Lab: MBA

NTP Study Number: C05049

Lock Date: 12/03/2009

Cage Range: ALL

Date Range: ALL

Reasons For Removal: ALL

Removal Date Range: ALL

Treatment Groups:

Include 001 Control Male	Include 005 3.0 mg/ml Emim	Include 006 10.0 mg/ml Emim
Include 007 30.0 mg/ml Emim	Include 008 100.0 mg/ml Emim	Include 015 Control Female
Include 019 3.0 mg/ml Emim	Include 020 10.0 mg/ml Emim	Include 021 30.0 mg/ml Emim
Include 022 100.0 mg/ml Emim		

Study Gender: Both

TDMSE Version: 3.0.2.3_002

PWG Approval Date: NONE

Experiment Number: 05049 - 04

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First Dose M/F: 03/12/09 / 03/13/09

Lab: MBA

B6C3F1 MICE MALE	DAY ON TEST	0	0	0	0	0	0	0	0	0	
		0	0	0	0	0	0	0	0	0	
		1	1	1	1	1	1	1	1	1	
		5	5	5	5	5	5	5	5	5	
		5	5	5	5	5	5	5	5	5	
Control Male	ANIMAL ID	0	0	0	0	0	0	0	0	0	
		0	0	0	0	0	0	0	0	0	
		0	0	0	0	0	0	0	0	0	
		0	0	0	0	0	0	0	0	0	1
		1	2	3	4	5	6	7	8	9	0
										* TOTALS	

ALIMENTARY SYSTEM

Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	10
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	+	10
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	+	10
Liver	+	+	+	+	+	+	+	+	+	+	10
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	10
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	10

CARDIOVASCULAR SYSTEM

Heart	+	+	+	+	+	+	+	+	+	+	10
-------	---	---	---	---	---	---	---	---	---	---	-----------

ENDOCRINE SYSTEM

NONE

GENERAL BODY SYSTEM

NONE

GENITAL SYSTEM

Testes	+	+	+	+	+	+	+	+	+	+	10
--------	---	---	---	---	---	---	---	---	---	---	-----------

HEMATOPOIETIC SYSTEM

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

X .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

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B6C3F1 MICE MALE	DAY ON TEST	0	0	0	0	0	0	0	0	0	
		0	0	0	0	0	0	0	0	0	
		1	1	1	1	1	1	1	1	1	
		5	5	5	5	5	5	5	5	5	
		5	5	5	5	5	5	5	5	5	
Control Male	ANIMAL ID	0	0	0	0	0	0	0	0	0	
		0	0	0	0	0	0	0	0	0	
		0	0	0	0	0	0	0	0	0	
		0	0	0	0	0	0	0	0	0	1
		1	2	3	4	5	6	7	8	9	0

* TOTALS

Spleen	+	+	+	+	+	+	+	+	+	+	10
--------	---	---	---	---	---	---	---	---	---	---	-----------

Thymus	+	+	+	+	+	M	+	+	+	+	9
--------	---	---	---	---	---	---	---	---	---	---	----------

INTEGUMENTARY SYSTEM

NONE

MUSCULOSKELETAL SYSTEM

NONE

NERVOUS SYSTEM

Brain	+	+	+	+	+	+	+	+	+	+	10
-------	---	---	---	---	---	---	---	---	---	---	-----------

RESPIRATORY SYSTEM

Lung	+	+	+	+	+	+	+	+	+	+	10
------	---	---	---	---	---	---	---	---	---	---	-----------

SPECIAL SENSES SYSTEM

NONE

URINARY SYSTEM

Kidney	+	+	+	+	+	+	+	+	+	+	10
--------	---	---	---	---	---	---	---	---	---	---	-----------

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Lab: MBA

B6C3F1 MICE MALE	DAY ON TEST	0	0	0	0	0
		0	0	0	0	0
		1	1	1	1	1
		5	5	5	5	5
		<hr/>				
3.0 mg/ml Emim	ANIMAL ID	0	0	0	0	0
		0	0	0	0	0
		0	0	0	0	0
		2	2	2	2	3
		6	7	8	9	0
					* TOTALS	

ALIMENTARY SYSTEM

Intestine Small, Jejunum

- - - - +

1

CARDIOVASCULAR SYSTEM

NONE

ENDOCRINE SYSTEM

NONE

GENERAL BODY SYSTEM

NONE

GENITAL SYSTEM

Testes

+ + + + +

5

HEMATOPOIETIC SYSTEM

NONE

INTEGUMENTARY SYSTEM

NONE

MUSCULOSKELETAL SYSTEM

NONE

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

X .. Lesion present

I .. Insufficient tissue

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Lab: MBA

B6C3F1 MICE MALE	DAY ON TEST	0	0	0	0	0
		0	0	0	0	0
		1	1	1	1	1
		5	5	5	5	5
		<hr/>				
3.0 mg/ml Emim	ANIMAL ID	0	0	0	0	0
		0	0	0	0	0
		0	0	0	0	0
		2	2	2	2	3
		6	7	8	9	0
					* TOTALS	

NERVOUS SYSTEM

NONE

RESPIRATORY SYSTEM

NONE

SPECIAL SENSES SYSTEM

NONE

URINARY SYSTEM

NONE

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

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Lab: MBA

B6C3F1 MICE MALE	DAY ON TEST	0	0	0	0	0
		0	0	0	0	0
		1	1	1	1	1
		5	5	5	5	5
		<hr/>				
30.0 mg/ml Emim	ANIMAL ID	0	0	0	0	0
		0	0	0	0	0
		0	0	0	0	0
		3	3	3	3	4
		6	7	8	9	0
					* TOTALS	

ALIMENTARY SYSTEM

Intestine Small, Duodenum	+	+	+	+	+	5
Intestine Small, Ileum	+	+	+	+	+	5
Intestine Small, Jejunum	+	+	+	+	+	5
Liver	+	+	+	+	+	5
Stomach, Forestomach	+	+	+	+	+	5
Stomach, Glandular	+	+	+	+	+	5

CARDIOVASCULAR SYSTEM

Heart	+	+	+	+	+	5
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ENDOCRINE SYSTEM

NONE

GENERAL BODY SYSTEM

NONE

GENITAL SYSTEM

Testes	+	+	+	+	+	5
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HEMATOPOIETIC SYSTEM

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

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Lab: MBA

B6C3F1 MICE MALE	DAY ON TEST	0	0	0	0	0
		0	0	0	0	0
		1	1	1	1	1
		5	5	5	5	5
		<hr/>				
30.0 mg/ml Emim	ANIMAL ID	0	0	0	0	0
		0	0	0	0	0
		0	0	0	0	0
		3	3	3	3	4
		6	7	8	9	0
		<hr/>				
					* TOTALS	

Spleen	+	+	+	+	+	5
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Thymus	+	+	+	+	+	5
--------	---	---	---	---	---	----------

INTEGUMENTARY SYSTEM

NONE

MUSCULOSKELETAL SYSTEM

NONE

NERVOUS SYSTEM

Brain	+	+	+	+	+	5
-------	---	---	---	---	---	----------

RESPIRATORY SYSTEM

Lung	+	+	+	+	+	5
------	---	---	---	---	---	----------

SPECIAL SENSES SYSTEM

NONE

URINARY SYSTEM

Kidney	+	+	+	+	+	5
--------	---	---	---	---	---	----------

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

X .. Lesion present

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Lab: MBA

B6C3F1 MICE MALE	DAY ON TEST	0	0	0	0	0	
		0	0	0	0	0	
		1	1	1	1	1	
		5	5	5	5	5	
		5	5	5	5	5	
100.0 mg/ml Emim	ANIMAL ID	0	0	0	0	0	
		0	0	0	0	0	
		0	0	0	0	0	
		4	4	4	4	4	
		1	2	3	4	5	
* TOTALS							

ALIMENTARY SYSTEM

Intestine Small, Duodenum	+	+	+	+	+	5
Intestine Small, Ileum	+	+	+	+	+	5
Intestine Small, Jejunum	+	+	+	+	+	5
Liver	+	+	+	+	+	5
Depletion Glycogen	2	2	2	2	2	5 2.0
Stomach, Forestomach	+	+	+	+	+	5
Stomach, Glandular	+	+	+	+	+	5

CARDIOVASCULAR SYSTEM

Heart	+	+	+	+	+	5
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ENDOCRINE SYSTEM

NONE

GENERAL BODY SYSTEM

NONE

GENITAL SYSTEM

Testes	+	+	+	+	+	5
Degeneration	2	2	2	2	2	5 2.0

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

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Lab: MBA

B6C3F1 MICE MALE	DAY ON TEST	0	0	0	0	0	
		0	0	0	0	0	
		1	1	1	1	1	
		5	5	5	5	5	
		5	5	5	5	5	
100.0 mg/ml Emim	ANIMAL ID	0	0	0	0	0	
		0	0	0	0	0	
		0	0	0	0	0	
		4	4	4	4	4	
		1	2	3	4	5	
* TOTALS							

HEMATOPOIETIC SYSTEM

Spleen	+	+	+	+	+	5	
Depletion Cellular	2	2	2	2	2		5 2.0
Thymus	+	M	+	+	M	3	
Atrophy	3		4	3			3 3.3

INTEGUMENTARY SYSTEM

NONE

MUSCULOSKELETAL SYSTEM

NONE

NERVOUS SYSTEM

Brain	+	+	+	+	+	5
-------	---	---	---	---	---	---

RESPIRATORY SYSTEM

Lung	+	+	+	+	+	5
------	---	---	---	---	---	---

SPECIAL SENSES SYSTEM

NONE

URINARY SYSTEM

Kidney	+	+	+	+	+	5
--------	---	---	---	---	---	---

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

X .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

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Experiment Number: 05049 - 04

Test Type: 14-DAY

Route: DOSED WATER

Species/Strain: MICE/B6C3F1

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CAS Number: IONICLIQUIDS

Date Report Requested: 04/28/2020

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First Dose M/F: 03/12/09 / 03/13/09

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*** END OF MALE DATA ***

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

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B6C3F1 MICE FEMALE	DAY ON TEST	0	0	0	0	0	0	0	0	0	
		0	0	0	0	0	0	0	0	0	
		1	1	1	1	1	1	1	1	1	
		5	5	5	5	5	5	5	5	5	
	Control Female										
	ANIMAL ID	0	0	0	0	0	0	0	0	0	
		0	0	0	0	0	0	0	0	0	
		0	0	0	0	0	0	0	0	0	
		7	7	7	7	8	8	8	8	8	
		6	7	8	9	0	1	2	3	4	5
* TOTALS											

ALIMENTARY SYSTEM

Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	10
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	+	10
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	+	10
Liver	+	+	+	+	+	+	+	+	+	+	10
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	10
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	10

CARDIOVASCULAR SYSTEM

Heart	+	+	+	+	+	+	+	+	+	+	10
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ENDOCRINE SYSTEM

NONE

GENERAL BODY SYSTEM

NONE

GENITAL SYSTEM

Ovary	+	+	+	+	+	+	+	+	+	+	10
-------	---	---	---	---	---	---	---	---	---	---	-----------

HEMATOPOIETIC SYSTEM

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Lab: MBA

B6C3F1 MICE FEMALE	DAY ON TEST	0	0	0	0	0	0	0	0	0	
		0	0	0	0	0	0	0	0	0	
		1	1	1	1	1	1	1	1	1	
		5	5	5	5	5	5	5	5	5	
		5	5	5	5	5	5	5	5	5	
Control Female	ANIMAL ID	0	0	0	0	0	0	0	0	0	
		0	0	0	0	0	0	0	0	0	
		0	0	0	0	0	0	0	0	0	
		7	7	7	7	8	8	8	8	8	
		6	7	8	9	0	1	2	3	4	

* TOTALS

Spleen	+	+	+	+	+	+	+	+	+	+	10
Thymus	+	+	+	+	+	+	+	+	+	+	10

INTEGUMENTARY SYSTEM

NONE

MUSCULOSKELETAL SYSTEM

NONE

NERVOUS SYSTEM

Brain	+	+	+	+	+	+	+	+	+	+	10
-------	---	---	---	---	---	---	---	---	---	---	----

RESPIRATORY SYSTEM

Lung	+	+	+	+	+	+	+	+	+	+	10
------	---	---	---	---	---	---	---	---	---	---	----

SPECIAL SENSES SYSTEM

NONE

URINARY SYSTEM

Kidney	+	+	+	+	+	+	+	+	+	+	10
--------	---	---	---	---	---	---	---	---	---	---	----

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Lab: MBA

B6C3F1 MICE FEMALE	DAY ON TEST	0	0	0	0	0
		0	0	0	0	0
		1	1	1	1	1
		5	5	5	5	5
		<hr/>				
30.0 mg/ml Emim	ANIMAL ID	0	0	0	0	0
		0	0	0	0	0
		1	1	1	1	1
		1	1	1	1	1
		1	2	3	4	5
					* TOTALS	

ALIMENTARY SYSTEM

Intestine Small, Duodenum	+	+	+	+	+	5
Intestine Small, Ileum	+	+	+	+	+	5
Intestine Small, Jejunum	+	+	+	+	+	5
Liver	+	+	+	+	+	5
Stomach, Forestomach	+	+	+	+	+	5
Stomach, Glandular	+	+	+	+	+	5

CARDIOVASCULAR SYSTEM

Heart	+	+	+	+	+	5
-------	---	---	---	---	---	----------

ENDOCRINE SYSTEM

NONE

GENERAL BODY SYSTEM

NONE

GENITAL SYSTEM

Ovary	+	+	+	+	+	5
-------	---	---	---	---	---	----------

HEMATOPOIETIC SYSTEM

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

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Lab: MBA

B6C3F1 MICE FEMALE	DAY ON TEST	0	0	0	0	0
		0	0	0	0	0
		1	1	1	1	1
		5	5	5	5	5
		<hr/>				
30.0 mg/ml Emim	ANIMAL ID	0	0	0	0	0
		0	0	0	0	0
		1	1	1	1	1
		1	1	1	1	1
		1	2	3	4	5

* TOTALS

Spleen + + + + + 5

Thymus + + + + + 5

INTEGUMENTARY SYSTEM

NONE

MUSCULOSKELETAL SYSTEM

NONE

NERVOUS SYSTEM

Brain + + + + + 5

RESPIRATORY SYSTEM

Lung + + + + + 5

SPECIAL SENSES SYSTEM

NONE

URINARY SYSTEM

Kidney + + + + + 5

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

X .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

Experiment Number: 05049 - 04

Test Type: 14-DAY

Route: DOSED WATER

Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Ionic liquid Toxicity

CAS Number: IONICLIQUIDS

Date Report Requested: 04/28/2020

Time Report Requested: 12:14:12

First Dose M/F: 03/12/09 / 03/13/09

Lab: MBA

B6C3F1 MICE FEMALE	DAY ON TEST	0	0	0	0	0
		0	0	0	0	0
		1	1	1	1	1
		5	5	5	5	5
		<hr/>				
100.0 mg/ml Emim	ANIMAL ID	0	0	0	0	0
		0	0	0	0	0
		1	1	1	1	1
		1	1	1	1	2
		6	7	8	9	0

*** TOTALS**

ALIMENTARY SYSTEM

Intestine Small, Duodenum	+	+	+	+	+	5
Intestine Small, Ileum	+	+	+	+	+	5
Intestine Small, Jejunum	+	+	+	+	+	5
Liver	+	+	+	+	+	5
Depletion Glycogen	1	1	1	1	1	5 1.0
Stomach, Forestomach	+	+	+	+	+	5
Stomach, Glandular	+	+	+	+	+	5

CARDIOVASCULAR SYSTEM

Heart	+	+	+	+	+	5
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ENDOCRINE SYSTEM

NONE

GENERAL BODY SYSTEM

NONE

GENITAL SYSTEM

Ovary	+	+	+	+	+	5
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		1	1	1	1	1	
		5	5	5	5	5	
		0	0	0	0	0	
100.0 mg/ml Emim	ANIMAL ID	0	0	0	0	0	
		0	0	0	0	0	
		1	1	1	1	1	
		1	1	1	1	2	
		6	7	8	9	0	

* TOTALS

HEMATOPOIETIC SYSTEM

Spleen	+	+	+	+	+	5	
Depletion Cellular	1	1	1	1	1		5 1.0
Thymus	+	+	+	+	+	5	
Atrophy	3	3	3	3	1		5 2.6

INTEGUMENTARY SYSTEM

NONE

MUSCULOSKELETAL SYSTEM

NONE

NERVOUS SYSTEM

Brain	+	+	+	+	+	5	
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RESPIRATORY SYSTEM

Lung	+	+	+	+	+	5	
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SPECIAL SENSES SYSTEM

NONE

URINARY SYSTEM

Kidney	+	+	+	+	+	5	
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