

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
Ionic liquid Toxicity
CAS Number: IONICLIQUIDS

Date Report Requested: 04/28/2020
Time Report Requested: 12:13:16
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 002 1.0 mg/ml Bmim	Include 003 3.0 mg/ml Bmim
	Include 004 6.0 mg/ml Bmim	Include 015 Control Female	Include 016 1.0 mg/ml Bmim
	Include 017 3.0 mg/ml Bmim	Include 018 6.0 mg/ml Bmim	

Study Gender: Both

TDMSE Version: 3.0.2.3_002

PWG Approval Date: NONE

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SUMMARY OF STATISTICALLY SIGNIFICANT ($P \leq .05$) RESULTS IN THE ANALYSIS OF IONIC LIQUID TOXICITY

MALE MICE

Organ

Liver

Spleen

Morphology

Depletion Glycogen

Depletion Cellular

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STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
TERMINAL SACRIFICE AT 3 WEEKS

DOSE	Males			
	Control Male	1.0 mg/ml Bmim	3.0 mg/ml Bmim	6.0 mg/ml Bmim
<hr/>				
Liver Depletion Glycogen				
<hr/>				
LESION RATES				
OVERALL (a)	0/10 (0%)	0/0 (0%)	0/5 (0%)	5/5 (100%)
POLY-3 RATE (b)	0/10.00	0/0.00	0/5.00	5/5.00
POLY-3 PERCENT (g)	0%	0%	0%	100%
TERMINAL (d)	0/10 (0%)	0/0 (0%)	0/5 (0%)	5/5 (100%)
FIRST INCIDENCE	---	---	---	15 (T)
<hr/>				
STATISTICAL TESTS				
POLY 3	(e)	(e)	(e)	P<0.001**
POLY 1.5	(e)	(e)	(e)	P<0.001**
POLY 6	(e)	(e)	(e)	P<0.001**
COCH-ARM / FISHERS	P<0.001**	(e)	(e)	P<0.001**
MAX-ISO-POLY-3	(e)	(e)	(e)	P<0.001**

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 TERMINAL SACRIFICE AT 3 WEEKS**

DOSE	Males			
	Control Male	1.0 mg/ml Bmim	3.0 mg/ml Bmim	6.0 mg/ml Bmim
Spleen				
Depletion Cellular				
LESION RATES				
OVERALL (a)	0/10 (0%)	0/0 (0%)	0/5 (0%)	5/5 (100%)
POLY-3 RATE (b)	0/10.00	0/0.00	0/5.00	5/5.00
POLY-3 PERCENT (g)	0%	0%	0%	100%
TERMINAL (d)	0/10 (0%)	0/0 (0%)	0/5 (0%)	5/5 (100%)
FIRST INCIDENCE	---	---	---	15 (T)
STATISTICAL TESTS				
POLY 3	(e)	(e)	(e)	P<0.001**
POLY 1.5	(e)	(e)	(e)	P<0.001**
POLY 6	(e)	(e)	(e)	P<0.001**
COCH-ARM / FISHERS	P<0.001**	(e)	(e)	P<0.001**
MAX-ISO-POLY-3	(e)	(e)	(e)	P<0.001**

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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
TERMINAL SACRIFICE AT 3 WEEKS**

DOSE	Females			
	Control Female	1.0 mg/ml Bmim	3.0 mg/ml Bmim	6.0 mg/ml Bmim
<hr/>				
Liver Depletion Glycogen				
<hr/>				
LESION RATES				
OVERALL (a)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/5 (0%)
POLY-3 RATE (b)	0/10.00	0/0.00	0/0.00	0/5.00
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/5 (0%)
FIRST INCIDENCE	---	---	---	---
<hr/>				
STATISTICAL TESTS				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)

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TERMINAL SACRIFICE AT 3 WEEKS**

DOSE	Females			
	Control Female	1.0 mg/ml Bmim	3.0 mg/ml Bmim	6.0 mg/ml Bmim
<hr/>				
Spleen Depletion Cellular				
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LESION RATES				
OVERALL (a)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/5 (0%)
POLY-3 RATE (b)	0/10.00	0/0.00	0/0.00	0/5.00
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/5 (0%)
FIRST INCIDENCE	---	---	---	---
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STATISTICAL TESTS				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
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LEGEND

- (a) Number of tumor-bearing animals/number of animals examined at site.
 - (b) Number of tumor-bearing animals/Poly-3 number
 - (d) Observed incidence at terminal kill.
 - (e) Value of statistic cannot be computed.
 - (f) Beneath the control incidence are the P-values associated with the trend test. Beneath the dosed group incidence are the P-values corresponding to pairwise comparisons between the controls and that dosed group.
 - (g) Poly-3 adjusted lifetime tumor incidence.
 - (n) No statistics are calculated if all dose groups have fewer than two tumors.
 - (I) Interim sacrifice
 - (T) Terminal sacrifice
 - # Tumor rates based on numbers of animals necropsied.
 - * To the right of any statistical result, indicates significance at ($P \leq 0.05$).
 - ** To the right of any statistical result, indicates significance at ($P \leq 0.01$).
 - N Indicates a negative trend for all tests
- The Cochran-Armitage and Fishers exact tests compare directly the overall incidence rates.

*** END OF REPORT ***