

Experiment Number: **G07018B**

Test Type: **Genetic Toxicology - Micronucleus**

Route: **Dosed-Water**

Species/Strain: **Mouse/B6C3F1**

G04: In Vivo Micronucleus Summary Data

Test Compound: **Ionic Liquid: 1-Ethyl-3-methylimidazolium Chloride**

CAS Number: **65039-09-0**

Date Report Requested: **09/23/2018**

Time Report Requested: **13:27:06**

NTP Study Number:

G07018B

Study Duration:

92 Days

Study Methodology:

Flow Cytometry

Male Study Result:

Negative

Female Study Result:

Equivocal

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Test Compound: Ionic Liquid: 1-Ethyl-3-methylimidazolium Chloride

CAS Number: 65039-09-0

Date Report Requested: 09/23/2018

Time Report Requested: 13:27:06

Tissue: Blood; Sex: Male; Number of Treatments: 92; Time interval between final treatment and cell sampling: 0 h

Dose (mg/mL)	N	MN PCE/1000		N	MN NCE/1000		% PCE	
		Mean ± SEM	p-Value		Mean ± SEM	p-Value	Mean ± SEM	p-Value
Vehicle Control ¹	5	3.110 ± 0.245		5	1.653 ± 0.032		1.145 ± 0.088	
3.0	5	3.120 ± 0.248	0.5978	5	1.663 ± 0.042	0.4547	1.064 ± 0.057	1.0000
10.0	5	3.320 ± 0.312	0.6854	5	1.766 ± 0.076	0.2848	1.266 ± 0.079	0.2610
30.0	5	2.560 ± 0.076	0.7213	5	1.656 ± 0.060	0.3025	1.387 ± 0.016	0.0285
Trend p-Value		0.9672			0.5300		0.0049 *	

Trial Summary: Negative

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Test Compound: Ionic Liquid: 1-Ethyl-3-methylimidazolium Chloride

CAS Number: 65039-09-0

Date Report Requested: 09/23/2018

Time Report Requested: 13:27:06

Tissue: Blood; Sex: Female; Number of Treatments: 92; Time interval between final treatment and cell sampling: 0 h

Dose (mg/mL)	N	MN PCE/1000		N	MN NCE/1000		% PCE	
		Mean ± SEM	p-Value		Mean ± SEM	p-Value	Mean ± SEM	p-Value
Vehicle Control ¹	5	1.520 ± 0.179		5	0.924 ± 0.032		1.066 ± 0.228	
3.0	5	1.720 ± 0.131	0.1868	5	0.967 ± 0.013	0.1077	1.352 ± 0.181	1.0000
10.0	5	1.850 ± 0.161	0.1331	5	1.027 ± 0.021	0.0039 *	1.533 ± 0.087	0.2615
30.0	5	1.750 ± 0.143	0.1405	5	1.053 ± 0.023	< 0.001 *	1.424 ± 0.118	0.8551
Trend p-Value		0.2376			0.0011 *		0.2258	

Trial Summary: Equivocal

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LEGEND

MN = micronucleated, PCE = polychromatic erythrocyte, NCE = normochromatic erythrocyte

CAS Number = Chemical Abstracts Service registry number

N = Number of subjects

Values given as Mean or Mean \pm Standard Error Mean

Pairwise comparison with the control group; values are significant at $P \leq 0.025$ by Williams or Dunn's test

Dose-related trend; significant at $P \leq 0.025$ by linear regression or Jonckheere's test

* Statistically significant pairwise or trend test

1: Vehicle Control: Water

**** END OF REPORT ****