

Experiment Number: **G07018**
Test Type: **Genetic Toxicology - Micronucleus**
Route: **Dosed-Water**
Species/Strain: **Rat/Harlan Sprague Dawley**

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: **13:22:18**

NTP Study Number:	G07018
Study Duration:	92 Days
Study Methodology:	Flow Cytometry
Male Study Result:	Negative
Female Study Result:	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

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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	0.540 ± 0.076		5	0.068 ± 0.015		0.850 ± 0.021	
1.0	5	0.610 ± 0.080	0.3751	5	0.051 ± 0.013	0.7411	1.019 ± 0.039	0.1222
3.0	5	0.540 ± 0.043	0.4445	5	0.066 ± 0.007	0.8218	0.955 ± 0.039	0.1447
10.0	5	0.657 ± 0.092	0.1836	5	0.047 ± 0.006	0.8529	0.881 ± 0.061	0.1510
Trend p-Value		0.1559			0.8595		0.4519	

Trial Summary: Negative

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CAS Number: 65039-09-0

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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	0.780 ± 0.109		5	0.099 ± 0.014		0.811 ± 0.070	
1.0	5	0.560 ± 0.120	0.7612	5	0.065 ± 0.018	0.8421	0.936 ± 0.079	0.3839
3.0	5	0.670 ± 0.066	0.8393	5	0.082 ± 0.008	0.9050	1.030 ± 0.136	0.2406
10.0	5	0.630 ± 0.157	0.8682	5	0.076 ± 0.008	0.9268	1.160 ± 0.125	0.0546
Trend p-Value		0.6555			0.6985		0.0494	

Trial Summary: Negative

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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 ****