

Experiment Number: **G03021B**

Test Type: **Genetic Toxicology - Micronucleus**

Route: **Dosed-Water**

Species/Strain: **Mouse/B6C3F1**

G04: In Vivo Micronucleus Summary Data

Test Compound: **1-Butyl-1-methylpyrrolidinium Chloride**

CAS Number: **479500-35-1**

Date Report Requested: **02/16/2021**

Time Report Requested: **11:36:26**

NTP Study Number:

G03021B

Study Duration:

92 Days

Study Methodology:

Flow Cytometry

Male Study Result:

Negative

Female Study Result:

Negative

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Tissue: Blood; Sex: Male

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	3.180 ± 0.255		5	1.573 ± 0.053		1.409 ± 0.060	
1.0	5	2.900 ± 0.299	0.7707	5	1.524 ± 0.040	0.6877	1.533 ± 0.032	0.2376
3.0	5	3.000 ± 0.267	0.8476	5	1.527 ± 0.037	0.7739	1.531 ± 0.066	0.2855
10.0	5	2.580 ± 0.147	0.8752	5	1.607 ± 0.048	0.3880	1.427 ± 0.045	0.3022
Trend p-value		0.9380			0.2116		0.8299	

Trial Summary: Negative

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Tissue: Blood; Sex: Female

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	2.600 ± 0.287		5	1.080 ± 0.034		1.312 ± 0.240	
1.0	5	1.861 ± 0.082	0.9663	5	1.057 ± 0.016	0.7957	1.105 ± 0.100	0.8426
3.0	5	1.790 ± 0.189	0.9866	5	0.990 ± 0.038	0.8687	1.193 ± 0.075	0.9445
6.0	5	2.380 ± 0.112	0.8929	5	1.027 ± 0.044	0.8941	1.365 ± 0.093	0.7231
Trend p-value		0.5239			0.8812		0.3302	

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 ****