

Experiment Number: A18069

Test Type: Genetic Toxicology - Micronucleus

Route: Inhalation

Species/Strain: Mouse/TGAC (FVB/N) HEMIZYGOUS

**G04: In Vivo Micronucleus Summary Data**

Test Compound: Chloroprene

CAS Number: 126-99-8

Date Report Requested: 09/20/2018

Time Report Requested: 04:54:38

**NTP Study Number:**

A18069

**Study Duration:**

26 Weeks

**Study Methodology:**

Slide Scoring

**Female Study Result:**

Negative

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Tissue: Blood; Sex: Female; Number of Treatments: 130; Time interval between final treatment and cell sampling: 24 h

Dose (ppm)	N	MN PCE/1000		N	MN NCE/1000		% PCE
		Mean ± SEM	p-Value		Mean ± SEM	p-Value	Mean ± SEM
Vehicle Control <sup>†</sup>	10	2.40 ± 0.56		10	3.90 ± 0.86		4.05 ± 0.28
2.0	10	2.80 ± 0.49	0.2893	10	3.00 ± 0.49	0.8611	3.31 ± 0.37
12.5	10	2.50 ± 0.34	0.4431	10	3.00 ± 0.63	0.8611	3.15 ± 0.26
80.0	10	3.90 ± 0.48	0.0292	10	3.70 ± 0.56	0.5909	4.29 ± 0.28
Trend p-Value		0.0170 *			0.3170		

Trial Summary: Negative

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LEGEND

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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

Results were tabulated as the mean of the pooled results from all animals within a treatment group, plus or minus the standard error of the mean

Pairwise comparison to the concurrent control, dosed groups significant at  $p = 0.025/\text{number of treatment groups}$ ; positive control value is significant at  $p = 0.05$

Cochran-Armitage trend test, significant at  $p = 0.025$

\* Statistically significant pairwise or trend test

1: Vehicle Control: Air

**\*\* END OF REPORT \*\***