

Experiment Number: 518954  
Test Type: Genetic Toxicology - Micronucleus  
Route: Intraperitoneal Injection  
Species/Strain: Mouse/B6C3F1

**G04: In Vivo Micronucleus Summary Data**

Test Compound: Chloral hydrate  
CAS Number: 302-17-0

Date Report Requested: 09/19/2018

Time Report Requested: 17:43:00

<b>NTP Study Number:</b>	518954
<b>Study Duration:</b>	72 Hours
<b>Study Methodology:</b>	Slide Scoring
<b>Male Study Result:</b>	Positive

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**G04: In Vivo Micronucleus Summary Data**  
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Tissue: Bone marrow; Sex: Male; Number of Treatments: 3; Time interval between final treatment and cell sampling: 24 h

Dose (mg/kg)	N	MN PCE/1000	p-Value	% PCE
		Mean ± SEM		Mean ± SEM
Vehicle Control <sup>1</sup>	4	2.88 ± 0.47		29.75 ± 6.90
125.0	5	2.10 ± 0.48	0.8523	26.50 ± 5.22
250.0	5	2.70 ± 0.60	0.5877	38.90 ± 5.19
500.0	5	4.40 ± 0.84	0.0475	32.50 ± 3.71
Trend p-Value		0.0060 *		
Positive Control <sup>2</sup>	4	19.13 ± 2.25	< 0.001 *	26.25 ± 6.86

Trial Summary: Positive

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Dose (mg/kg)	N	MN PCE/1000	p-Value	% PCE
		Mean ± SEM		Mean ± SEM
Vehicle Control <sup>1</sup>	5	1.70 ± 0.30		25.50 ± 5.04
125.0	5	2.20 ± 0.46	0.2114	28.70 ± 6.09
250.0	5	2.10 ± 0.29	0.2580	30.40 ± 3.73
500.0	5	3.50 ± 0.55	0.0062 *	25.90 ± 4.76
Trend p-Value		0.0040 *		
Positive Control <sup>2</sup>	5	17.40 ± 1.67	< 0.001 *	30.00 ± 2.81

Trial Summary: Positive

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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: Phosphate Buffered Saline

2: 15.0 mg/kg Cyclophosphamide

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