

Experiment Number: A05195  
Test Type: Genetic Toxicology - Micronucleus  
Route: Intraperitoneal Injection  
Species/Strain: Mouse/B6C3F1

**G04: In Vivo Micronucleus Summary Data**

Test Compound: Chlorambucil  
CAS Number: 305-03-3

Date Report Requested: 09/19/2018  
Time Report Requested: 23:42:15

**NTP Study Number:** A05195  
**Study Duration:** 48 Hours  
**Study Methodology:** Slide Scoring  
**Male Study Result:** Positive

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Tissue: Blood; Sex: Male; Number of Treatments: 1; Time interval between final treatment and cell sampling: 48 h

Dose (mg/kg)	N	MN PCE/1000	p-Value	% PCE
		Mean ± SEM		Mean ± SEM
Vehicle Control <sup>1</sup>	4	1.50 ± 0.35		3.90 ± 0.15
5.0	5	8.90 ± 2.58	0.0020 *	3.04 ± 0.36
10.0	5	10.90 ± 1.73	< 0.001 *	1.62 ± 0.13
20.0	5	9.80 ± 2.95	0.0010 *	1.18 ± 0.15
Trend p-Value		0.0120 *		
Positive Control <sup>2</sup>	5	5.20 ± 0.97	< 0.001 *	3.92 ± 0.62

Trial Summary: Positive

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Tissue: Bone marrow; Sex: Male; Number of Treatments: 1; Time interval between final treatment and cell sampling: 48 h

Dose (mg/kg)	N	MN PCE/1000	p-Value	% PCE
		Mean ± SEM		Mean ± SEM
Vehicle Control <sup>1</sup>	4	2.88 ± 0.94		40.25 ± 3.39
5.0	5	7.30 ± 0.98	0.0077 *	47.60 ± 4.99
10.0	5	20.00 ± 2.19	< 0.001 *	38.20 ± 3.14
20.0	5	21.70 ± 3.21	< 0.001 *	28.80 ± 4.45
Trend p-Value		< 0.001 *		
Positive Control <sup>2</sup>	5	3.00 ± 0.91	0.4389	50.50 ± 2.95

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: Corn Oil

2: 15.0 mg/kg Cyclophosphamide

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