

Experiment Number: A45472
Test Type: Genetic Toxicology - Micronucleus
Route: Intraperitoneal Injection
Species/Strain: Mouse/B6C3F1

G04: In Vivo Micronucleus Summary Data

Test Compound: Chlorpheniramine maleate
CAS Number: 113-92-8

Date Report Requested: 09/20/2018

Time Report Requested: 15:18:50

NTP Study Number:	A45472
Study Duration:	72 Hours
Study Methodology:	Slide Scoring
Male Study Result:	Negative

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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 ¹	5	2.00 ± 0.55	0.6327	51.60 ± 3.29
12.5	5	1.70 ± 0.68		49.40 ± 2.33
Trend p-Value		0.6330		
Positive Control ²	5	11.70 ± 1.32	< 0.001 *	48.40 ± 3.13

Trial Summary: Negative

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		MN PCE/1000		% PCE	
Dose (mg/kg)	N	Mean ± SEM	p-Value	Mean ± SEM	
Vehicle Control ¹	5	2.40 ± 0.51		57.20 ± 1.24	
12.5	5	2.20 ± 0.72	0.6161	56.50 ± 2.25	
25.0	5	1.40 ± 0.56	0.9478	52.80 ± 4.29	
50.0	5	1.70 ± 0.25	0.8631	46.50 ± 5.69	
100.0	4	2.00 ± 0.61	0.7144	51.50 ± 2.38	
Trend p-Value		0.7000			
Positive Control ²	5	13.60 ± 1.21	< 0.001 *	55.40 ± 1.26	

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

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: 25.0 mg/kg Cyclophosphamide

**** END OF REPORT ****