

Experiment Number: A31156

Test Type: Genetic Toxicology - Micronucleus

Route: Dosed-Feed

Species/Strain: Mouse/B6C3F1

G04: In Vivo Micronucleus Summary Data

Test Compound: Leucomalachite green

CAS Number: 129-73-7

Date Report Requested: 09/20/2018

Time Report Requested: 09:02:10

NTP Study Number:

A31156

Study Duration:

28 Days

Study Methodology:

Slide Scoring

Female Study Result:

Positive

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Tissue: Blood; Sex: Female; Number of Treatments: 28; Time interval between final treatment and cell sampling: 24 h

MN NCE/1000			
Dose (ppm)	N	Mean ± SEM	p-Value
Vehicle Control ¹	7	2.14 ± 0.26	
290.0	8	3.69 ± 0.33	0.0071 *
580.0	8	4.19 ± 0.50	< 0.001 *
1160.0	8	3.44 ± 0.53	0.0177
Trend p-Value		0.0670	

Trial Summary: Positive

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Dose (ppm)	N	MN PCE/1000	p-Value	% PCE
		Mean ± SEM		Mean ± SEM
Vehicle Control ¹	7	3.07 ± 0.41		3.80 ± 0.36
290.0	8	3.63 ± 0.38	0.2045	4.16 ± 0.25
580.0	8	3.50 ± 0.41	0.2592	4.21 ± 0.30
1160.0	8	2.00 ± 0.37	0.9681	4.88 ± 0.47
Trend p-Value		0.9840		

Trial Summary: Positive

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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: Feed

**** END OF REPORT ****