

Experiment Number: A44196
Test Type: Genetic Toxicology - Micronucleus
Route: Intraperitoneal Injection
Species/Strain: Mouse/B6C3F1

G04: In Vivo Micronucleus Summary Data

Test Compound: Vincristine
CAS Number: 57-22-7

Date Report Requested: 09/20/2018
Time Report Requested: 14:25:02

NTP Study Number: A44196
Study Duration: 3 Days
Study Methodology: Slide Scoring
Male Study Result: Positive

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Tissue: Blood; 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	2.60 ± 0.24		2.82 ± 0.41
0.0125	5	3.70 ± 0.68	0.0826	2.42 ± 0.17
0.025	5	6.00 ± 0.45	< 0.001 *	2.64 ± 0.38
0.05	5	12.50 ± 1.47	< 0.001 *	1.96 ± 0.49
0.075	5	25.50 ± 0.91	< 0.001 *	0.70 ± 0.12
Trend p-Value		< 0.001 *		

Trial Summary: Positive

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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	2.70 ± 0.68		55.40 ± 2.71
0.0125	4	3.89 ± 0.83	0.2223	55.00 ± 7.96
0.025	5	7.10 ± 0.24	0.0062 *	59.40 ± 2.74
0.05	5	14.66 ± 2.91	< 0.001 *	47.90 ± 1.94
0.075	5	43.56 ± 5.54	< 0.001 *	46.10 ± 3.76
Trend p-Value		< 0.001 *		

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: Phosphate Buffered Saline

**** END OF REPORT ****