

Experiment Number: A57513

Test Type: Genetic Toxicology - Micronucleus

Route: Intraperitoneal Injection

Species/Strain: Rat/Fischer 344

G04: In Vivo Micronucleus Summary Data

Test Compound: Vincristine

CAS Number: 57-22-7

Date Report Requested: 09/20/2018

Time Report Requested: 20:35:45

NTP Study Number:

A57513

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	0.60 ± 0.10		2.78 ± 0.07
0.00625	5	0.40 ± 0.10	0.7365	2.68 ± 0.32
0.0125	5	0.80 ± 0.12	0.2964	2.28 ± 0.21
0.025	5	1.50 ± 0.42	0.0247	2.26 ± 0.17
0.03125	5	2.10 ± 0.68	0.0019 *	1.98 ± 0.17
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	1.50 ± 0.16		55.40 ± 2.57
0.00625	5	2.20 ± 0.56	0.1247	51.90 ± 6.39
0.0125	5	2.20 ± 0.41	0.1247	47.50 ± 6.36
0.025	5	3.26 ± 0.51	0.0056 *	53.20 ± 3.52
0.03125	5	7.13 ± 1.35	< 0.001 *	47.20 ± 5.43
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 ****