

Experiment Number: F57513

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: 09/21/2018

Time Report Requested: 16:49:27

NTP Study Number:

F57513

Study Duration:

3 Days

Study Methodology:

Flow Cytometry

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		N	MN NCE/1000		% PCE	
		Mean ± SEM	p-Value		Mean ± SEM	p-Value	Mean ± SEM	p-Value
Vehicle Control ¹	5	0.350 ± 0.076		5	0.074 ± 0.010		2.246 ± 0.143	
0.00625	5	0.400 ± 0.076	0.3937	5	0.077 ± 0.006	0.4458	2.364 ± 0.180	1.0000
0.0125	5	0.730 ± 0.119	0.0294	5	0.080 ± 0.015	0.5253	1.944 ± 0.034	0.7896
0.025	5	0.880 ± 0.189	0.0052 *	5	0.080 ± 0.012	0.5581	1.845 ± 0.186	0.5762
0.03125	5	1.500 ± 0.152	< 0.001 *	5	0.067 ± 0.008	0.5752	1.124 ± 0.125	0.0051 *
Trend p-Value		< 0.001 *			0.6477		< 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

Pairwise comparison with the control group; values are significant at $P \leq 0.025$ by Williams or Dunn's test

Dose-related trend; significant at $P \leq 0.025$ by linear regression or Jonckheere's test

* Statistically significant pairwise or trend test

1: Vehicle Control: Phosphate Buffered Saline

**** END OF REPORT ****