

Experiment Number: **F44196**
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: **09/21/2018**
Time Report Requested: **16:30:43**

NTP Study Number: F44196
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	2.960 ± 0.172		5	1.568 ± 0.019		2.361 ± 0.096	
0.0125	5	3.920 ± 0.233	0.7336	5	1.698 ± 0.067	0.0280	2.394 ± 0.129	1.0000
0.025	5	6.060 ± 0.316	0.0783	5	1.684 ± 0.036	0.0320	2.288 ± 0.175	1.0000
0.05	5	12.880 ± 2.005	0.0034 *	5	1.708 ± 0.024	0.0285	1.825 ± 0.284	1.0000
0.075	5	32.000 ± 3.339	< 0.001 *	5	1.687 ± 0.051	0.0293	0.572 ± 0.058	0.0105 *
Trend p-Value		< 0.001 *			0.0739		< 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 ****