

Experiment Number: A90371
Test Type: Genetic Toxicology - Micronucleus
Route: Intraperitoneal Injection
Species/Strain: Mouse/B6C3F1

G04: In Vivo Micronucleus Summary Data

Test Compound: Vanillin
CAS Number: 121-33-5

Date Report Requested: 09/21/2018
Time Report Requested: 09:41:25

NTP Study Number:	A90371
Study Duration:	72 Hours
Study Methodology:	Slide Scoring
Male Study Result:	Negative

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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	1.10 ± 0.48		52.60 ± 2.46
78.0	5	2.20 ± 0.66	0.0899	64.40 ± 3.02
156.0	5	2.10 ± 0.66	0.1078	53.20 ± 2.48
312.0	5	1.10 ± 0.48	0.5000	54.60 ± 3.42
625.0	4	2.13 ± 0.69	0.1125	52.88 ± 2.83
Trend p-Value		0.3320		
Positive Control ²	5	16.60 ± 3.66	< 0.001 *	59.70 ± 4.37

Trial Summary: Negative

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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: Corn Oil

2: 25.0 mg/kg Cyclophosphamide

**** END OF REPORT ****