

Experiment Number: A49292
Test Type: Genetic Toxicology - Micronucleus
Route: Intraperitoneal Injection
Species/Strain: Rat/Fischer 344

G04: In Vivo Micronucleus Summary Data

Test Compound: 2,4-Decadienal
CAS Number: 25152-84-5

Date Report Requested: 09/20/2018
Time Report Requested: 16:44:42

NTP Study Number: A49292
Study Duration: 24 Hours
Study Methodology: Slide Scoring
Male Study Result: Positive (Nonstandard Protocol)

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Tissue: Bone marrow; Sex: Male; Number of Treatments: 1; 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	0.30 ± 0.20		55.20 ± 3.83
100.0	5	1.50 ± 0.52	0.0023 *	65.40 ± 3.01
200.0	5	1.50 ± 0.42	0.0023 *	52.70 ± 5.16
400.0	4	1.88 ± 0.52	< 0.001 *	67.38 ± 3.64
600.0	4	0.63 ± 0.13	0.1520	58.25 ± 3.02
Trend p-Value		0.2940		
Positive Control ²	5	7.50 ± 2.77	< 0.001 *	46.50 ± 4.72

Trial Summary: Positive (Nonstandard Protocol)

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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 ****