

Experiment Number: A11915  
Test Type: Genetic Toxicology - Micronucleus  
Route: Intraperitoneal Injection  
Species/Strain: Rat/Fischer 344

**G04: In Vivo Micronucleus Summary Data**

Test Compound: 2,4-Hexadienal  
CAS Number: 142-83-6

Date Report Requested: 09/20/2018

Time Report Requested: 02:25:52

<b>NTP Study Number:</b>	A11915
<b>Study Duration:</b>	24 Hours
<b>Study Methodology:</b>	Slide Scoring
<b>Male Study Result:</b>	Equivocal

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Tissue: Bone marrow; Sex: Male; Number of Treatments: 1; Time interval between final treatment and cell sampling: 24 h

		MN PCE/1000		% PCE	
Dose (mg/kg)	N	Mean ± SEM	p-Value	Mean ± SEM	
Vehicle Control <sup>1</sup>	5	0.30 ± 0.20		55.20 ± 3.83	
50.0	5	0.80 ± 0.44	0.0658	54.80 ± 3.99	
100.0	5	1.00 ± 0.35	0.0261	53.10 ± 3.37	
150.0	5	1.10 ± 0.48	0.0162	45.10 ± 7.46	
200.0	3	1.17 ± 0.17	0.0169	56.67 ± 4.76	
Trend p-Value		0.0170 *			
Positive Control <sup>2</sup>	5	7.50 ± 2.77	< 0.001 *	46.50 ± 4.72	

Trial Summary: Equivocal

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LEGEND

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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 \*\***