

Experiment Number: A45449

Test Type: Genetic Toxicology - Micronucleus

Route: Intraperitoneal Injection

Species/Strain: Rat/Fischer 344

G04: In Vivo Micronucleus Summary Data

Test Compound: Dicyclohexylcarbodiimide

CAS Number: 538-75-0

Date Report Requested: 09/20/2018

Time Report Requested: 15:13:46

NTP Study Number:

A45449

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	0.40 ± 0.19		52.10 ± 1.10
5.0	5	0.10 ± 0.10	0.9102	34.50 ± 3.03
10.0	4	0.50 ± 0.20	0.3759	33.88 ± 2.18
15.0	2	0.25 ± 0.25	0.6643	30.25 ± 7.75
20.0	3	1.33 ± 0.67	0.0184	33.00 ± 4.31
Trend p-Value		0.0060 *		
Positive Control ²	5	15.88 ± 1.64	< 0.001 *	2.30 ± 0.41

Trial Summary: Negative

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		MN PCE/1000		% PCE	
Dose (mg/kg)	N	Mean ± SEM	p-Value	Mean ± SEM	
Vehicle Control ¹	5	0.60 ± 0.37		55.20 ± 4.62	
10.0	5	0.70 ± 0.20	0.3907	51.00 ± 6.07	
15.0	5	1.00 ± 0.45	0.1586	34.20 ± 3.29	
20.0	5	0.70 ± 0.20	0.3907	44.40 ± 7.37	
Trend p-Value		0.2890			
Positive Control ²	5	31.29 ± 8.47	< 0.001 *	2.80 ± 0.96	

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 ****