

Experiment Number: A67778

Test Type: Genetic Toxicology - Micronucleus

Route: Dosed-Water

Species/Strain: Mouse/B6C3F1

G04: In Vivo Micronucleus Summary Data

Test Compound: Dichloroacetic acid

CAS Number: 79-43-6

Date Report Requested: 09/21/2018

Time Report Requested: 00:40:31

NTP Study Number:

A67778

Study Duration:

13 Weeks

Study Methodology:

Slide Scoring

Male Study Result:

Negative

Female Study Result:

Positive

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Tissue: Blood; Sex: Male; Number of Treatments: 90; Time interval between final treatment and cell sampling: 24 h

Dose (mg/L)	N	MN PCE/1000		N	MN NCE/1000		% PCE
		Mean ± SEM	p-Value		Mean ± SEM	p-Value	Mean ± SEM
Vehicle Control [†]	10	3.20 ± 0.61		10	2.30 ± 0.40		3.03 ± 0.09
67.0				10	2.10 ± 0.43	0.6186	
125.0				10	2.70 ± 0.42	0.2856	
250.0				10	2.90 ± 0.43	0.2024	
500.0				10	2.60 ± 0.31	0.3339	
1000.0	10	3.10 ± 0.62	0.5502	10	1.60 ± 0.40	0.8691	2.32 ± 0.07
Trend p-Value		0.5500			0.8870		

Trial Summary: Negative

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Date Report Requested: 09/21/2018
 Time Report Requested: 00:40:31

Tissue: Blood; Sex: Female; Number of Treatments: 90; Time interval between final treatment and cell sampling: 24 h

Dose (mg/L)	N	MN PCE/1000		N	MN NCE/1000		% PCE
		Mean ± SEM	p-Value		Mean ± SEM	p-Value	Mean ± SEM
Vehicle Control [†]	10	2.80 ± 0.66		10	1.80 ± 0.42		2.34 ± 0.08
67.0				10	2.00 ± 0.33	0.3727	
125.0				10	2.30 ± 0.45	0.2172	
250.0				10	2.00 ± 0.21	0.3727	
500.0				10	2.60 ± 0.50	0.1136	
1000.0	10	3.00 ± 0.54	0.3963	10	3.30 ± 0.52	0.0177	2.49 ± 0.11
Trend p-Value		0.3960			0.0070 *		

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

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: Solvent

**** END OF REPORT ****