

Experiment Number: A42280
Test Type: Genetic Toxicology - Micronucleus
Route: Intraperitoneal Injection
Species/Strain: Mouse/B6C3F1

G04: In Vivo Micronucleus Summary Data

Test Compound: Bromodichloromethane
CAS Number: 75-27-4

Date Report Requested: 09/20/2018

Time Report Requested: 13:33:08

NTP Study Number:	A42280
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)	MN PCE/1000			MN NCE/1000			% PCE
	N	Mean ± SEM	p-Value	N	Mean ± SEM	p-Value	Mean ± SEM
Vehicle Control ¹	5	0.90 ± 0.33		2	0.00 ± 0.00		45.55 ± 1.15
200.0	5	2.20 ± 0.51	0.0097	2	0.00 ± 0.00	0.5000	47.65 ± 1.95
300.0	5	1.50 ± 0.35	0.1102	5	0.00 ± 0.00	0.5000	39.28 ± 4.00
400.0	3	3.17 ± 0.33	< 0.001 *	3	0.00 ± 0.00	0.5000	33.90 ± 4.93
500.0	4	1.63 ± 0.24	0.0833	4	0.00 ± 0.00	0.5000	34.73 ± 3.76
Trend p-Value		0.0330					
Positive Control ²	4	16.25 ± 2.20	< 0.001 *	4	0.00 ± 0.00	0.5000	41.40 ± 2.88

Trial Summary: Negative

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Dose (mg/kg)	MN PCE/1000			MN NCE/1000			% PCE
	N	Mean ± SEM	p-Value	N	Mean ± SEM	p-Value	Mean ± SEM
Vehicle Control ¹	5	1.60 ± 0.53		1	0.00 ± 0.00		47.50 ± 0.00
200.0	5	1.80 ± 0.46	0.3657	4	0.00 ± 0.00	0.5000	45.25 ± 1.85
300.0	5	3.10 ± 0.46	0.0142	4	0.00 ± 0.00	0.5000	45.75 ± 2.14
400.0	5	1.70 ± 0.56	0.4308	4	0.00 ± 0.00	0.5000	43.88 ± 1.60
500.0	5	1.80 ± 0.12	0.3657	3	0.00 ± 0.00	0.5000	45.27 ± 1.17
Trend p-Value		0.3420					
Positive Control ²	5	16.50 ± 1.16	< 0.001 *	5	0.00 ± 0.00	0.5000	47.54 ± 2.53

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 ****