

Experiment Number: 432500

Test Type: Genetic Toxicology - Micronucleus

Route: Intraperitoneal Injection

Species/Strain: Mouse/B6C3F1

G04: In Vivo Micronucleus Summary Data

Test Compound: Methyl carbamate

CAS Number: 598-55-0

Date Report Requested: 09/19/2018

Time Report Requested: 16:36:48

NTP Study Number:

432500

Study Duration:

72 Hours

Study Methodology:

Slide Scoring

Male Study Result:

Negative

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Tissue: Blood; 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	3.70 ± 0.68		3.38 ± 0.37
500.0	5	3.10 ± 0.37	0.7670	4.12 ± 0.57
1000.0	5	3.80 ± 0.82	0.4540	4.34 ± 0.33
2000.0	5	2.70 ± 0.41	0.8947	3.74 ± 0.48
Trend p-Value		0.8510		
Positive Control ²	5	7.70 ± 1.30	< 0.001 *	3.26 ± 0.24

Trial Summary: Negative

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Dose (mg/kg)	N	MN PCE/1000	p-Value	% PCE
		Mean ± SEM		Mean ± SEM
Vehicle Control ¹	5	3.30 ± 0.41		4.34 ± 0.33
2000.0	5	3.00 ± 0.65	0.6475	4.44 ± 0.18
2500.0	5	3.50 ± 0.57	0.4040	5.00 ± 0.20
3000.0	3	3.67 ± 1.17	0.3506	4.77 ± 0.32
Trend p-Value		0.3890		
Positive Control ²	5	6.20 ± 0.72	0.0014 *	4.20 ± 0.50

Trial Summary: 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	3.70 ± 0.58		59.60 ± 2.68
500.0	5	2.80 ± 0.92	0.8682	61.90 ± 2.13
1000.0	5	1.70 ± 0.34	0.9968	53.70 ± 1.90
2000.0	5	1.80 ± 0.46	0.9948	56.70 ± 1.75
Trend p-Value		0.9970		
Positive Control ²	5	8.60 ± 1.52	< 0.001 *	55.80 ± 2.50

Trial Summary: Negative

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Tissue: Bone marrow; Sex: Male; Number of Treatments: 3; 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 ¹	5	2.30 ± 0.72		63.00 ± 3.67	
2000.0	5	1.90 ± 0.29	0.6800	63.90 ± 1.82	
2500.0	5	1.70 ± 0.51	0.7639	63.90 ± 1.89	
3000.0	3	1.67 ± 1.01	0.7412	60.17 ± 4.48	
Trend p-Value		0.7950			
Positive Control ²	5	4.70 ± 0.56	0.0020 *	58.50 ± 1.79	

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: Phosphate Buffered Saline

2: 0.2 mg/kg Mitomycin-C

**** END OF REPORT ****