

Experiment Number: 375730
Test Type: Genetic Toxicology - Micronucleus
Route: Intraperitoneal Injection
Species/Strain: Mouse/B6C3F1

G04: In Vivo Micronucleus Summary Data

Test Compound: Trichlorfon
CAS Number: 52-68-6

Date Report Requested: 09/19/2018
Time Report Requested: 15:56:13

NTP Study Number: 375730
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

		MN PCE/1000		% PCE	
Dose (mg/kg)	N	Mean ± SEM	p-Value	Mean ± SEM	
Vehicle Control ¹	3	1.67 ± 0.67		46.07 ± 5.78	
100.0	3	1.33 ± 0.33	0.6297	49.13 ± 5.21	
300.0	3	2.00 ± 1.15	0.3823	50.40 ± 6.39	
500.0	2	0.50 ± 0.50	0.8766	35.70 ± 5.70	
Trend p-Value		0.7540			

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	1.20 ± 0.20		43.70 ± 8.73
125.0	5	2.20 ± 0.64	0.0430	50.20 ± 3.46
250.0	5	1.90 ± 0.46	0.1042	45.16 ± 3.63
500.0	1	0.50 ± 0.00	< 0.001 *	52.70 ± 0.00
Trend p-Value		0.1190		
Positive Control ²	5	5.00 ± 1.38	< 0.001 *	41.80 ± 6.22

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	1.80 ± 0.37		54.72 ± 2.56	
75.0	5	1.40 ± 0.53	0.7604	44.58 ± 4.88	
150.0	5	0.50 ± 0.22	0.9967	52.08 ± 0.25	
300.0	5	1.00 ± 0.47	0.9348	45.32 ± 5.85	
Trend p-Value		0.9640			
Positive Control ²	5	6.10 ± 0.71	< 0.001 *	50.98 ± 3.77	

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 ****