

Experiment Number: A02017
Test Type: Genetic Toxicology - Micronucleus
Route: Intraperitoneal Injection
Species/Strain: Rat/Fischer 344

G04: In Vivo Micronucleus Summary Data

Test Compound: Dichlorvos
CAS Number: 62-73-7

Date Report Requested: 09/19/2018
Time Report Requested: 22:29:58

NTP Study Number: A02017
Study Duration: 48 Hours
Study Methodology: Slide Scoring
Male Study Result: Negative

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Tissue: Bone marrow; Sex: Male; Number of Treatments: 1; 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	1.50 ± 0.57		30.80 ± 2.58	
2.5	5	3.10 ± 0.73	0.0312	46.60 ± 1.40	
5.0	5	1.60 ± 0.66	0.4436	36.80 ± 5.05	
10.0	5	2.70 ± 0.44	0.0718	49.90 ± 1.13	
20.0	4	1.25 ± 0.25	0.6380	28.50 ± 3.05	
Trend p-Value		0.7730			
Positive Control ²	5	10.30 ± 0.34	< 0.001 *	44.90 ± 2.13	

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	0.80 ± 0.34		33.00 ± 6.03	
2.5	5	2.00 ± 0.35	0.0116	48.10 ± 1.28	
5.0	5	1.00 ± 0.42	0.3186	35.00 ± 1.65	
10.0	5	2.60 ± 0.62	0.0010 *	48.50 ± 1.31	
20.0	4	0.88 ± 0.43	0.4312	27.88 ± 2.54	
Trend p-Value		0.4690			
Positive Control ²	5	9.60 ± 0.78	< 0.001 *	47.00 ± 1.83	

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	1.60 ± 0.24		53.30 ± 2.05	
2.5	5	1.90 ± 0.51	0.3059	53.30 ± 2.44	
5.0	5	1.30 ± 0.41	0.7114	34.40 ± 5.80	
10.0	5	1.80 ± 0.46	0.3657	50.90 ± 2.11	
20.0	5	1.20 ± 0.46	0.7753	42.70 ± 3.90	
Trend p-Value		0.8000			
Positive Control ²	5	9.70 ± 0.37	< 0.001 *	52.00 ± 3.12	

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: 7.5 mg/kg Cyclophosphamide

**** END OF REPORT ****