

Experiment Number: A36713
Test Type: Genetic Toxicology - Micronucleus
Route: Intraperitoneal Injection
Species/Strain: Rat/Fischer 344

G04: In Vivo Micronucleus Summary Data

Test Compound: Decabromodiphenyl ether
CAS Number: 1163-19-5

Date Report Requested: 09/20/2018

Time Report Requested: 11:02:18

NTP Study Number:	A36713
Study Duration:	72 Hours
Study Methodology:	Slide Scoring
Male Study Result:	Positive

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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	1.00 ± 0.16		59.00 ± 1.72
39.06	5	0.40 ± 0.40	0.8930	44.30 ± 2.61
78.125	5	2.30 ± 0.41	0.0397	42.40 ± 2.87
156.25	5	2.40 ± 0.37	0.0314	46.70 ± 0.75
312.5	5	3.10 ± 0.73	0.0055	45.80 ± 1.91
625.0	5	2.60 ± 0.60	0.0194	50.60 ± 3.60
1250.0	5	4.30 ± 0.72	< 0.001 *	48.00 ± 1.93
2500.0	5	4.30 ± 1.22	< 0.001 *	48.10 ± 2.54
Trend p-Value		< 0.001 *		
Positive Control ²	5	16.70 ± 2.67	< 0.001 *	39.40 ± 2.67

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: Corn Oil

2: 7.5 mg/kg Cyclophosphamide

**** END OF REPORT ****