

Experiment Number: A27878

Test Type: Genetic Toxicology - Micronucleus

Route: Gavage

Species/Strain: Mouse/B6C3F1

G04: In Vivo Micronucleus Summary Data

Test Compound: Pentabromodiphenyl Ether Mixture [DE-71 (Technical Grade)]

CAS Number: 32534-81-9

Date Report Requested: 09/20/2018

Time Report Requested: 07:44:20

NTP Study Number:

A27878

Study Duration:

3 Months

Study Methodology:

Slide Scoring

Male Study Result:

Negative

Female Study Result:

Negative

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G04: In Vivo Micronucleus Summary Data

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Route: Gavage

CAS Number: 32534-81-9

Species/Strain: Mouse/B6C3F1

Tissue: Blood; Sex: Male; Number of Treatments: 90; Time interval between final treatment and cell sampling: 24 h

MN NCE/1000

Dose (mg/kg)	N	Mean ± SEM	p-Value
Vehicle Control ¹	5	1.90 ± 0.40	
0.01	5	2.10 ± 0.53	0.3758
5.0	5	1.80 ± 0.46	0.5654
50.0	5	1.80 ± 0.34	0.5654
100.0	5	2.30 ± 0.37	0.2683
500.0	3	1.83 ± 0.73	0.5376
Trend p-Value		0.5370	

Trial Summary: Negative

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Species/Strain: Mouse/B6C3F1

Tissue: Blood; Sex: Female; Number of Treatments: 90; Time interval between final treatment and cell sampling: 24 h

MN NCE/1000			
Dose (mg/kg)	N	Mean ± SEM	p-Value
Vehicle Control ¹	5	1.30 ± 0.20	
0.01	5	1.60 ± 0.33	0.2886
5.0	5	1.50 ± 0.32	0.3526
50.0	5	1.20 ± 0.46	0.5793
100.0	5	0.80 ± 0.20	0.8625
500.0	5	1.40 ± 0.48	0.4236
Trend p-Value		0.5100	

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

**** END OF REPORT ****