

Experiment Number: F34110

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: 09/21/2018

Time Report Requested: 15:59:09

NTP Study Number:

F34110

Study Duration:

3 Days

Study Methodology:

Flow Cytometry

Male Study Result:

Negative

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Route: Gavage

CAS Number: 32534-81-9

Species/Strain: Mouse/B6C3F1

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		N	MN NCE/1000		% PCE	
		Mean ± SEM	p-Value		Mean ± SEM	p-Value	Mean ± SEM	p-Value
Vehicle Control ¹	5	2.587 ± 0.202		5	1.572 ± 0.039		1.736 ± 0.092	
312.5	5	2.165 ± 0.100	0.8731	5	1.533 ± 0.040	0.6358	1.565 ± 0.119	0.3789
625.0	5	2.215 ± 0.122	0.9286	5	1.593 ± 0.057	0.4287	1.518 ± 0.186	0.2646
1250.0	5	2.326 ± 0.186	0.9447	5	1.597 ± 0.012	0.4297	1.325 ± 0.129	0.0395
Trend p-Value		0.7666			0.2232		0.0233 *	
Positive Control ²	5	32.556 ± 1.582	0.0045 *	5	2.028 ± 0.049	< 0.001 *	0.175 ± 0.012	< 0.001 *

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

Pairwise comparison with the control group; values are significant at $P \leq 0.025$ by Williams or Dunn's test

Dose-related trend; significant at $P \leq 0.025$ by linear regression or Jonckheere's test

* Statistically significant pairwise or trend test

1: Vehicle Control: Corn Oil

2: 50.0 mg/kg Cyclophosphamide

**** END OF REPORT ****