

Experiment Number: A15851

Test Type: Genetic Toxicology - Micronucleus

Route: Dermal

Species/Strain: Mouse/TGAC (FVB/N)
HOMOZYGOUS

G04: In Vivo Micronucleus Summary Data

Test Compound: Di(2-ethylhexyl) Phthalate

CAS Number: 117-81-7

Date Report Requested: 09/20/2018

Time Report Requested: 03:55:40

NTP Study Number:

A15851

Study Duration:

26 Weeks

Study Methodology:

Slide Scoring

Male Study Result:

Negative

Female Study Result:

Negative

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CAS Number: 117-81-7

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Tissue: Blood; Sex: Male; Number of Treatments: 182; 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
Vehicle Control ¹	11	2.45 ± 0.51		11	3.45 ± 0.59		4.20 ± 0.34
100.0				12	3.17 ± 0.34	0.6480	
200.0				14	3.36 ± 0.37	0.5522	
400.0	7	3.86 ± 0.67	0.0467	7	2.71 ± 0.68	0.8056	3.21 ± 0.28
Trend p-Value		0.0470			0.7700		

Trial Summary: Negative

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CAS Number: 117-81-7

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Time Report Requested: 03:55:40

Tissue: Blood; Sex: Female; Number of Treatments: 182; 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
Vehicle Control ¹	11	2.55 ± 0.47		11	1.64 ± 0.36		4.86 ± 0.34
100.0				11	1.91 ± 0.41	0.3153	
200.0				11	2.36 ± 0.49	0.1137	
400.0	11	4.09 ± 0.56	0.0231	11	2.55 ± 0.45	0.0700	4.24 ± 0.19
Trend p-Value		0.0230 *			0.0590		

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: Acetone

**** END OF REPORT ****