

Experiment Number: A93719

Test Type: Genetic Toxicology - Micronucleus

Route: Dermal

Species/Strain: Mouse/FVB/N

G04: In Vivo Micronucleus Summary Data

Test Compound: Melphalan

CAS Number: 148-82-3

Date Report Requested: 09/21/2018

Time Report Requested: 11:49:50

NTP Study Number:

A93719

Study Duration:

26 Weeks

Study Methodology:

Slide Scoring

Male Study Result:

Positive

Female Study Result:

Positive

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Tissue: Blood; Sex: Male; Number of Treatments: 26; Time interval between final treatment and cell sampling: 24 h

		MN NCE/1000	
Dose (mg/kg)	N	Mean ± SEM	p-Value
Vehicle Control ¹	14	0.46 ± 0.17	
4.0	10	2.20 ± 0.50	< 0.001 *
Trend p-Value		< 0.001 *	

Trial Summary: Positive

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Tissue: Blood; Sex: Female; Number of Treatments: 26; Time interval between final treatment and cell sampling: 24 h

		MN NCE/1000	
Dose (mg/kg)	N	Mean ± SEM	p-Value
Vehicle Control ¹	15	0.73 ± 0.13	
4.0	15	3.17 ± 0.50	< 0.001 *
Trend p-Value		< 0.001 *	

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: Methanol

**** END OF REPORT ****