

Experiment Number: A84411

Test Type: Genetic Toxicology - Micronucleus

Route: Gavage

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: 07:19:50

NTP Study Number:

A84411

Study Duration:

26 Weeks

Study Methodology:

Slide Scoring

Male Study Result:

Positive

Female Study Result:

Positive

Experiment Number: A84411
Test Type: Genetic Toxicology - Micronucleus
Route: Gavage
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: 07:19:50

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	0.61 ± 0.16	
4.0	14	1.64 ± 0.14	< 0.001 *
Trend p-Value		< 0.001 *	

Trial Summary: Positive

Experiment Number: A84411
Test Type: Genetic Toxicology - Micronucleus
Route: Gavage
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: 07:19:50

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	0.33 ± 0.12	
4.0	14	1.75 ± 0.46	< 0.001 *
Trend p-Value		< 0.001 *	

Trial Summary: Positive

Experiment Number: A84411

Test Type: Genetic Toxicology - Micronucleus

Route: Gavage

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: 07:19:50

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 ****