

Experiment Number: A29061

Test Type: Genetic Toxicology - Micronucleus

Route: Dosed-Feed

Species/Strain: Mouse/B6C3F1

G04: In Vivo Micronucleus Summary Data

Test Compound: Aniline

CAS Number: 62-53-3

Date Report Requested: 09/20/2018

Time Report Requested: 08:09:42

NTP Study Number:

A29061

Study Duration:

90 Days

Study Methodology:

Slide Scoring

Male Study Result:

Positive

Female Study Result:

Positive

Experiment Number: A29061

G04: In Vivo Micronucleus Summary Data

Date Report Requested: 09/20/2018

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Test Compound: Aniline

Time Report Requested: 08:09:42

Route: Dosed-Feed

CAS Number: 62-53-3

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	10	1.42 ± 0.14	
500.0	10	2.10 ± 0.27	0.0033 *
1000.0	10	2.04 ± 0.15	0.0062 *
2000.0	10	2.19 ± 0.20	0.0013 *
Trend p-Value		0.0060 *	

Trial Summary: Positive

Experiment Number: A29061

G04: In Vivo Micronucleus Summary Data

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CAS Number: 62-53-3

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	10	1.16 ± 0.11	
500.0	10	1.53 ± 0.10	0.0072 *
1000.0	10	1.85 ± 0.12	< 0.001 *
2000.0	9	1.82 ± 0.16	< 0.001 *
Trend p-Value		< 0.001 *	

Trial Summary: Positive

Experiment Number: A29061

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Species/Strain: Mouse/B6C3F1

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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: Solvent

**** END OF REPORT ****