

Experiment Number: A85799
Test Type: Genetic Toxicology - Micronucleus
Route: Dosed-Water
Species/Strain: Mouse/MICE

G04: In Vivo Micronucleus Summary Data

Test Compound: Pyridine
CAS Number: 110-86-1

Date Report Requested: 09/21/2018
Time Report Requested: 07:58:54

NTP Study Number:	A85799
Study Duration:	26 Weeks
Study Methodology:	Slide Scoring
Male Study Result:	Negative
Female Study Result:	Negative

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Tissue: Blood; Sex: Male; Number of Treatments: 182; Time interval between final treatment and cell sampling: 24 h

Dose (ppm)	MN PCE/1000			MN NCE/1000			% PCE
	N	Mean ± SEM	p-Value	N	Mean ± SEM	p-Value	Mean ± SEM
Vehicle Control [†]	9	2.67 ± 0.58		9	3.00 ± 0.65		2.89 ± 0.23
250.0	10	3.20 ± 0.65	0.2492	10	3.00 ± 0.45	0.5000	2.88 ± 0.21
500.0	7	3.29 ± 0.68	0.2365	7	3.71 ± 0.75	0.2177	2.46 ± 0.24
1000.0	9	3.78 ± 0.81	0.0942	9	2.44 ± 0.50	0.7628	3.03 ± 0.26
Trend p-Value		0.1020			0.7420		

Trial Summary: Negative

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Tissue: Blood; Sex: Female; Number of Treatments: 182; Time interval between final treatment and cell sampling: 24 h

Dose (ppm)	MN PCE/1000			MN NCE/1000			% PCE
	N	Mean ± SEM	p-Value	N	Mean ± SEM	p-Value	Mean ± SEM
Vehicle Control [†]	8	1.88 ± 0.55		8	2.00 ± 0.46		3.79 ± 0.25
125.0	10	1.20 ± 0.39	0.8240	10	0.90 ± 0.43	0.9291	2.86 ± 0.18
250.0	10	0.90 ± 0.31	0.9231	10	0.90 ± 0.41	0.9291	3.18 ± 0.20
500.0	10	1.60 ± 0.64	0.6383	10	1.20 ± 0.51	0.8437	3.80 ± 0.30
Trend p-Value		0.5540			0.7680		

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: Water

**** END OF REPORT ****