

Experiment Number: A05400
Test Type: Genetic Toxicology - Micronucleus
Route: Intraperitoneal Injection
Species/Strain: Rat/Fischer 344

G04: In Vivo Micronucleus Summary Data

Test Compound: Methacrylonitrile
CAS Number: 126-98-7

Date Report Requested: 09/19/2018

Time Report Requested: 23:47:12

NTP Study Number:	A05400
Study Duration:	72 Hours
Study Methodology:	Slide Scoring
Male Study Result:	Negative

Experiment Number: A05400
Test Type: Genetic Toxicology - Micronucleus
Route: Intraperitoneal Injection
Species/Strain: Rat/Fischer 344

G04: In Vivo Micronucleus Summary Data
Test Compound: Methacrylonitrile
CAS Number: 126-98-7

Date Report Requested: 09/19/2018
Time Report Requested: 23:47:12

Tissue: Bone marrow; Sex: Male; Number of Treatments: 3; Time interval between final treatment and cell sampling: 24 h

		MN PCE/1000		% PCE
Dose (mg/kg)	N	Mean ± SEM	p-Value	Mean ± SEM
Vehicle Control ¹	4	0.25 ± 0.14		30.88 ± 3.28
25.0	5	1.40 ± 0.37	0.0050 *	27.30 ± 2.65
50.0	3	0.83 ± 0.44	0.0633	23.00 ± 2.02
100.0	2	0.50 ± 0.50	0.2397	18.75 ± 3.25
Trend p-Value		0.4490		
Positive Control ²	4	6.00 ± 0.98	< 0.001 *	15.75 ± 1.49

Trial Summary: Negative

Experiment Number: A05400
Test Type: Genetic Toxicology - Micronucleus
Route: Intraperitoneal Injection
Species/Strain: Rat/Fischer 344

G04: In Vivo Micronucleus Summary Data
Test Compound: Methacrylonitrile
CAS Number: 126-98-7

Date Report Requested: 09/19/2018
Time Report Requested: 23:47:12

Tissue: Bone marrow; Sex: Male; Number of Treatments: 3; Time interval between final treatment and cell sampling: 24 h

		MN PCE/1000		% PCE	
Dose (mg/kg)	N	Mean ± SEM	p-Value	Mean ± SEM	
Vehicle Control ¹	5	1.80 ± 0.46		46.60 ± 1.92	
12.5	5	1.10 ± 0.37	0.9033	40.80 ± 6.41	
25.0	5	1.60 ± 0.29	0.6343	43.80 ± 1.81	
Trend p-Value		0.6430			
Positive Control ²	3	4.00 ± 0.29	0.0042 *	19.33 ± 3.37	

Trial Summary: Negative

Experiment Number: A05400
Test Type: Genetic Toxicology - Micronucleus
Route: Intraperitoneal Injection
Species/Strain: Rat/Fischer 344

G04: In Vivo Micronucleus Summary Data

Test Compound: Methacrylonitrile
CAS Number: 126-98-7

Date Report Requested: 09/19/2018
Time Report Requested: 23:47:12

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

2: 25.0 mg/kg Cyclophosphamide

**** END OF REPORT ****