

Experiment Number: 579669

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: N-Methyl-4-nitroaniline

CAS Number: 100-15-2

Date Report Requested: 09/14/2018

Time Report Requested: 11:42:09

NTP Study Number:

579669

Study Result:

Positive

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Strain: TA100

Dose (ug/Plate)	Without S9	With 30% Rat S9	With 30% Hamster S9
Vehicle Control ¹	82 ± 0.6	95 ± 4.3	96 ± 1.2
33.0	83 ± 5.9	108 ± 10.8	98 ± 1.3
100.0	76 ± 4.6	92 ± 3.3	108 ± 6.1
333.0	78 ± 0.9	97 ± 2.0	151 ± 10.2
1000.0	65 ± 6.5	89 ± 6.2	121 ± 3.0
3333.0	0 ± 0.0 ^s	4 ± 0.6	10 ± 0.6
Trial Summary	Negative	Negative	Equivocal
Positive Control ²	358 ± 17.4		
Positive Control ³			397 ± 9.3
Positive Control ⁴		324 ± 7.1	

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Strain: TA98

Dose (ug/Plate)	Without S9	With 30% Rat S9	With 30% Rat S9	With 30% Hamster S9	With 30% Hamster S9
Vehicle Control ¹	13 ± 1.0	19 ± 1.8	23 ± 2.7	27 ± 2.6	30 ± 2.0
33.0	13 ± 0.9	21 ± 1.5	32 ± 4.9	33 ± 0.9	37 ± 0.7
100.0	15 ± 2.3	28 ± 2.5	31 ± 1.2	50 ± 7.2	60 ± 5.2
333.0	18 ± 3.5	70 ± 3.2	53 ± 2.5	190 ± 0.5	160 ± 12.0
500.0			60 ± 4.3		222 ± 9.6
1000.0	12 ± 1.7	127 ± 10.7	88 ± 3.5	370 ± 9.7	302 ± 13.6
3333.0	0 ± 0.0 ^P	0 ± 0.0		23 ± 3.6	
Trial Summary	Negative	Positive	Positive	Positive	Positive
Positive Control ⁵				62 ± 2.9	
Positive Control ³		107 ± 9.1	95 ± 7.8		368 ± 6.6
Positive Control ⁶	165 ± 11.1				

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LEGEND

Values given as Mean or Mean \pm Standard Error Mean

The number of samples = 3, unless samples marked toxic or contaminated were excluded from mean and SEM calculations

CAS Number = Chemical Abstracts Service registry number

- 1: Vehicle Control: Dimethyl Sulfoxide
- 2: 0.5 ug/Plate Sodium Azide
- 3: 1.0 ug/Plate 2-Aminoanthracene
- 4: 2.0 ug/Plate 2-Aminoanthracene
- 5: 0.4 ug/Plate 2-Aminoanthracene
- 6: 1.0 ug/Plate 4-Nitro-O-Phenylenediamine
- p: Precipitate
- s: Slight Toxicity

** END OF REPORT **