

Experiment Number: 298179

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: 4-Methyl-3-nitroaniline

CAS Number: 119-32-4

Date Report Requested: 09/11/2018

Time Report Requested: 21:40:33

NTP Study Number:

298179

Study Result:

Positive

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Strain: TA100

Dose (ug/Plate)	Without S9	With 30% Rat S9	With 30% Rat S9	With 30% Hamster S9	With 30% Hamster S9
Vehicle Control ¹	104 ± 4.8	123 ± 5.2	89 ± 1.8	111 ± 9.4	99 ± 3.8
33.0	107 ± 6.4	122 ± 4.7	93 ± 2.1	138 ± 8.1	138 ± 4.6
100.0	104 ± 4.2	160 ± 13.3	121 ± 2.0	207 ± 15.7	174 ± 13.8
333.0	106 ± 5.8	165 ± 1.9	150 ± 5.0	472 ± 20.8	409 ± 28.6
1000.0	110 ± 4.0 ^s	262 ± 23.1	237 ± 1.2 ^s	1184 ± 41.2	1464 ± 67.5 ^s
2000.0	92 ± 19.7 ^s	335 ± 33.4 ^s	62 ± 62.0 ^s	1963 ± 183.3 ^s	1726 ± 20.6 ^s
Trial Summary	Negative	Positive	Positive	Positive	Positive
Positive Control ²	298 ± 10.5				
Positive Control ³				475 ± 30.5	324 ± 20.9
Positive Control ⁴		305 ± 26.4	267 ± 9.0		

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Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	With 30% Rat S9	With 30% Rat S9	With 30% Hamster S9
Vehicle Control ¹	15 ± 1.5	16 ± 1.8	23 ± 0.6	16 ± 2.1	19 ± 1.5
33.0	16 ± 0.9	18 ± 2.2	33 ± 3.0	24 ± 3.0	29 ± 5.1
100.0	18 ± 2.4	14 ± 2.2	32 ± 4.4	29 ± 2.0	40 ± 2.5
333.0	32 ± 2.5	24 ± 1.5	47 ± 2.2	51 ± 3.1	89 ± 4.2
1000.0	55 ± 7.4 ^s	30 ± 4.4 ^s	91 ± 8.1	99 ± 3.8 ^s	370 ± 28.3
2000.0	26 ± 13.1 ^s	7 ± 4.1 ^s	116 ± 7.2 ^s	110 ± 5.5 ^s	1179 ± 36.0 ^s
Trial Summary	Positive	Equivocal	Positive	Positive	Positive
Positive Control ⁵					137 ± 11.3
Positive Control ⁶	205 ± 14.6	159 ± 8.7			
Positive Control ³			97 ± 6.4	73 ± 3.2	

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Strain: TA98

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	18 ± 0.3
33.0	38 ± 2.7
100.0	35 ± 3.5
333.0	106 ± 12.4
1000.0	479 ± 15.3 ^s
2000.0	791 ± 67.5 ^s
Trial Summary	Positive
Positive Control ⁵	66 ± 1.2
Positive Control ⁶	
Positive Control ³	

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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

s: Slight Toxicity

**** END OF REPORT ****