

Experiment Number: 037355

Test Type: **Genetic Toxicology - Bacterial
Mutagenicity**

G06: Ames Summary Data

Test Compound: **2-Methyl-4-nitroaniline**

CAS Number: **99-52-5**

Date Report Requested: **09/14/2018**

Time Report Requested: **19:45:27**

NTP Study Number:

037355

Study Result:

Positive

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Test Compound: 2-Methyl-4-nitroaniline

CAS Number: 99-52-5

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Strain: TA100

Dose (ug/Plate)	Without S9	With 30% Rat S9	With 30% Hamster S9	With 30% Hamster S9
Vehicle Control ¹	91 ± 3.2	121 ± 1.5	109 ± 5.2	89 ± 3.6
33.0	85 ± 1.9	128 ± 8.7	128 ± 7.2	83 ± 2.1
100.0	100 ± 2.7	146 ± 4.1	167 ± 7.9	127 ± 3.3
333.0	109 ± 0.7	150 ± 4.3	232 ± 3.2	183 ± 8.5
1000.0	99 ± 3.3	137 ± 10.9	233 ± 8.3	159 ± 6.4
3333.0	34 ± 2.6 ^p	57 ± 2.0 ^p	141 ± 3.5 ^p	98 ± 5.2
Trial Summary	Negative	Negative	Positive	Weakly Positive
Positive Control ²	360 ± 21.7			
Positive Control ³			368 ± 23.5	359 ± 10.8
Positive Control ⁴		323 ± 14.7		

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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 ± 0.9	13 ± 0.6	28 ± 2.0	29 ± 3.6	33 ± 4.1
33.0	15 ± 0.6	11 ± 1.9	37 ± 4.7	29 ± 1.0	38 ± 4.4
100.0	30 ± 3.8	20 ± 1.2	40 ± 2.6	38 ± 3.3	40 ± 2.7
333.0	46 ± 2.7	35 ± 2.9	74 ± 4.6	63 ± 2.0	104 ± 8.0
1000.0	71 ± 4.6	42 ± 2.3	140 ± 1.2	110 ± 4.0	171 ± 9.9
3333.0	38 ± 3.0 ^p	78 ± 5.8	50 ± 6.4 ^p	67 ± 7.6	325 ± 34.5 ^p
Trial Summary	Positive	Positive	Positive	Positive	Positive
Positive Control ⁵					102 ± 2.7
Positive Control ³			80 ± 2.9	78 ± 5.8	
Positive Control ⁶	170 ± 1.2	167 ± 6.0			

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Strain: TA98

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	22 ± 2.1
33.0	25 ± 4.4
100.0	28 ± 2.3
333.0	67 ± 3.6
1000.0	137 ± 3.5
3333.0	292 ± 32.3
Trial Summary	Positive
Positive Control ⁵	89 ± 2.4
Positive Control ³	
Positive Control ⁶	

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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

**** END OF REPORT ****