

Experiment Number: 968397

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: N-Methyl-p-aminophenol sulfate

CAS Number: 55-55-0

Date Report Requested: 09/17/2018

Time Report Requested: 22:33:59

NTP Study Number:

968397

Study Result:

Positive

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Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	127 ± 14.8	158 ± 9.5	121 ± 2.2	131 ± 4.0	101 ± 2.4
1.0	116 ± 15.5	137 ± 8.1			
3.3	126 ± 1.3	127 ± 13.0			
10.0	133 ± 7.0	143 ± 6.7	101 ± 9.9		117 ± 9.3
33.0	125 ± 11.9	156 ± 14.0	125 ± 4.8	118 ± 6.4	94 ± 2.9
67.0	125 ± 9.6 ^s	155 ± 5.8			
100.0			124 ± 8.1	126 ± 6.2	115 ± 6.0
333.0			180 ± 13.1	163 ± 6.2	159 ± 16.2
1000.0			233 ± 7.2	233 ± 14.1	254 ± 10.4
2000.0				Toxic	
Trial Summary	Negative	Negative	Positive	Equivocal	Positive
Positive Control ²					2149 ± 57.6
Positive Control ³			2130 ± 58.8	1663 ± 22.9	
Positive Control ⁴	1307 ± 30.7	1417 ± 58.5			

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Strain: TA100

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	109 ± 8.5
1.0	
3.3	
10.0	
33.0	98 ± 2.6
67.0	
100.0	118 ± 6.0
333.0	178 ± 4.2
1000.0	229 ± 8.3
2000.0	Toxic
Trial Summary	Positive
Positive Control ²	1452 ± 23.5
Positive Control ³	
Positive Control ⁴	

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Strain: TA1535

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	35 ± 1.5	43 ± 1.9	11 ± 2.1	13 ± 3.1	13 ± 2.6
1.0	28 ± 3.2	51 ± 5.7			
3.3	33 ± 4.4	43 ± 0.6			
10.0	35 ± 2.7	33 ± 3.3	13 ± 3.8		9 ± 1.2
33.0	23 ± 3.4	46 ± 4.3	10 ± 1.5	17 ± 2.0	9 ± 1.2
67.0	33 ± 4.7	37 ± 1.3 ^s			
100.0			11 ± 2.3	10 ± 2.1	12 ± 1.2
333.0			13 ± 2.7	19 ± 3.1	15 ± 1.2
1000.0			14 ± 1.8	19 ± 2.4	14 ± 1.2
2000.0				Toxic	
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					158 ± 7.5
Positive Control ³			135 ± 11.2	163 ± 6.6	
Positive Control ⁴	984 ± 19.9	1246 ± 84.5			

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Strain: TA1535

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	14 ± 2.4
1.0	
3.3	
10.0	
33.0	16 ± 0.3
67.0	
100.0	17 ± 2.0
333.0	15 ± 2.3
1000.0	20 ± 1.2
2000.0	Toxic
Trial Summary	Negative
Positive Control ²	178 ± 3.7
Positive Control ³	
Positive Control ⁴	

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Strain: TA97

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	100 ± 9.2	96 ± 3.2	131 ± 5.9	148 ± 9.2	169 ± 5.9
1.0	123 ± 3.6	120 ± 13.0			
3.3	99 ± 4.3	106 ± 9.0			
10.0	114 ± 9.3	124 ± 3.8	150 ± 5.4		149 ± 15.0
33.0	132 ± 6.4	127 ± 2.6	141 ± 10.3	160 ± 3.2	145 ± 12.0
67.0	158 ± 8.1 ^s	69 ± 7.0 ^s			
100.0			148 ± 5.2	167 ± 5.2	176 ± 4.3
333.0			181 ± 9.8	185 ± 4.2	188 ± 7.2
1000.0			323 ± 2.8	339 ± 14.7	314 ± 7.6
2000.0				Toxic	
Trial Summary	Equivocal	Negative	Positive	Positive	Equivocal
Positive Control ²					1156 ± 16.4
Positive Control ³			1286 ± 47.8	1003 ± 13.3	
Positive Control ⁵	963 ± 9.0	1113 ± 33.2			

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Strain: TA97

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	148 ± 10.7
1.0	
3.3	
10.0	
33.0	140 ± 7.9
67.0	
100.0	146 ± 7.4
333.0	186 ± 8.6
1000.0	324 ± 9.6
2000.0	Toxic
Trial Summary	Weakly Positive
Positive Control ²	685 ± 44.8
Positive Control ³	
Positive Control ⁵	

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Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	22 ± 3.9	19 ± 1.3	46 ± 5.9	38 ± 2.4	39 ± 4.8
1.0	21 ± 0.9	24 ± 0.9			
3.3	19 ± 3.0	18 ± 2.2			
10.0	23 ± 2.6	25 ± 2.7	40 ± 2.0		34 ± 2.4
33.0	19 ± 2.0	21 ± 3.8	37 ± 3.4	26 ± 3.5	43 ± 2.3
67.0	13 ± 0.5 ^s	27 ± 2.4			
100.0			52 ± 3.2	35 ± 3.5	50 ± 3.0
333.0			48 ± 6.7	41 ± 4.2	81 ± 3.0
1000.0			38 ± 4.4	33 ± 3.0	39 ± 1.5
2000.0				Toxic	
Trial Summary	Negative	Negative	Negative	Negative	Equivocal
Positive Control ²					2079 ± 27.8
Positive Control ³			2038 ± 47.9	2063 ± 37.2	
Positive Control ⁶	1770 ± 52.5	1888 ± 68.8			

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Strain: TA98

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	30 ± 2.8
1.0	
3.3	
10.0	
33.0	39 ± 1.2
67.0	
100.0	34 ± 4.3
333.0	75 ± 0.9
1000.0	43 ± 4.0
2000.0	Toxic
Trial Summary	Equivocal
Positive Control ²	1535 ± 77.9
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: Water

2: 0.75 ug/Plate 2-Aminoanthracene

3: 1.5 ug/Plate 2-Aminoanthracene

4: 2.5 ug/Plate Sodium Azide

5: 4.0 ug/Plate 9-Aminoacridine

6: 12.0 ug/Plate 4-Nitro-O-Phenylenediamine

s: Slight Toxicity

**** END OF REPORT ****