

Experiment Number: 822824

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: Malaoxon

CAS Number: 1634-78-2

Date Report Requested: 09/15/2018

Time Report Requested: 18:22:53

NTP Study Number:

822824

Study Result:

Negative

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Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control ¹	137 ± 6.8	104 ± 10.9	135 ± 3.3	123 ± 9.5	110 ± 3.1
100.0	110 ± 1.8	102 ± 7.9	125 ± 4.3	118 ± 11.0	134 ± 19.2
333.0	103 ± 6.7	91 ± 4.8	115 ± 12.7	130 ± 3.8	118 ± 21.0
1000.0	134 ± 6.7	106 ± 2.7	135 ± 11.7	144 ± 9.1	131 ± 6.1
3333.0	130 ± 13.9	131 ± 17.2	140 ± 6.2	136 ± 4.0	129 ± 8.2
10000.0	136 ± 33.2	123 ± 15.9	143 ± 4.2	163 ± 14.1	159 ± 11.5
Trial Summary	Negative	Negative	Negative	Negative	Equivocal
Positive Control ²	400 ± 3.2	274 ± 5.2			
Positive Control ³			595 ± 37.7	352 ± 4.8	1258 ± 67.3

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Strain: TA100

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	130 ± 6.4
100.0	122 ± 12.0
333.0	133 ± 6.7
1000.0	151 ± 8.4
3333.0	147 ± 7.2
10000.0	172 ± 6.1
Trial Summary	Negative
Positive Control ²	
Positive Control ³	748 ± 9.6

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Strain: TA1535

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control ¹	17 ± 2.9	14 ± 1.9	8 ± 0.7	12 ± 2.9	9 ± 2.1
100.0	21 ± 1.9	19 ± 1.2	11 ± 2.9	7 ± 0.6	10 ± 2.2
333.0	18 ± 1.8	18 ± 0.9	9 ± 0.9	8 ± 1.5	9 ± 2.1
1000.0	23 ± 2.7	12 ± 2.3	7 ± 1.2	11 ± 1.5	14 ± 0.9
3333.0	19 ± 0.9	20 ± 6.2	7 ± 0.7	10 ± 0.7	9 ± 1.3
10000.0	17 ± 4.6	7 ± 1.0	5 ± 1.7	7 ± 2.1	5 ± 0.9
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²	370 ± 15.3	186 ± 3.0			
Positive Control ⁴			240 ± 24.7	110 ± 11.1	530 ± 71.5

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Strain: TA1535

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	6 ± 0.9
100.0	9 ± 2.1
333.0	7 ± 3.1
1000.0	10 ± 3.8
3333.0	7 ± 0.3
10000.0	10 ± 2.2
Trial Summary	Negative
Positive Control ²	
Positive Control ⁴	534 ± 33.8

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Strain: TA97

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control ¹	131 ± 3.2	147 ± 6.8	169 ± 3.2	197 ± 15.0	182 ± 7.9
100.0	144 ± 11.9	152 ± 6.6	219 ± 16.3	213 ± 12.0	216 ± 11.1
333.0	153 ± 12.7	169 ± 3.7	208 ± 8.4	215 ± 6.6	213 ± 9.7
1000.0	164 ± 17.1	156 ± 9.8	214 ± 4.7	230 ± 10.5	204 ± 12.9
3333.0	148 ± 17.4	159 ± 8.4	193 ± 17.1	202 ± 9.4	224 ± 18.2
10000.0	129 ± 21.9	115 ± 9.5	161 ± 10.3	195 ± 3.7	179 ± 17.1
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ⁴			579 ± 18.3	579 ± 7.0	1030 ± 21.5
Positive Control ⁵	839 ± 219.2	1106 ± 141.6			

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Strain: TA97

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	178 ± 6.0
100.0	198 ± 5.9
333.0	179 ± 10.3
1000.0	201 ± 31.3
3333.0	189 ± 19.9
10000.0	190 ± 17.3
Trial Summary	Negative
Positive Control ⁴	1007 ± 50.1
Positive Control ⁵	

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Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control ¹	11 ± 1.2	19 ± 0.3	25 ± 3.4	17 ± 1.2	31 ± 0.6
100.0	14 ± 2.4	17 ± 0.9	28 ± 5.6	30 ± 3.5	24 ± 1.8
333.0	11 ± 2.3	16 ± 2.5	21 ± 2.5	19 ± 0.9	25 ± 1.7
1000.0	12 ± 2.6	12 ± 1.5	25 ± 2.8	28 ± 2.9	21 ± 1.8
3333.0	14 ± 1.0	4 ± 0.6	27 ± 2.2	20 ± 1.7	29 ± 4.4
10000.0	13 ± 1.0	0 ± 0.0 ^s	23 ± 3.0	23 ± 6.7	20 ± 2.3
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ³			324 ± 17.8	151 ± 3.7	1140 ± 67.8
Positive Control ⁶	596 ± 8.5	740 ± 9.8			

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Strain: TA98

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	29 ± 0.3
100.0	24 ± 2.3
333.0	19 ± 2.8
1000.0	19 ± 2.9
3333.0	24 ± 2.9
10000.0	21 ± 3.0
Trial Summary	Negative
Positive Control ³	236 ± 8.2
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: 1.0 ug/Plate Sodium Azide
- 3: 1.0 ug/Plate 2-Aminoanthracene
- 4: 2.5 ug/Plate 2-Aminoanthracene
- 5: 50.0 ug/Plate 9-Aminoacridine
- 6: 5.0 ug/Plate 4-Nitro-O-Phenylenediamine
- s: Slight Toxicity

** END OF REPORT **