

Experiment Number: 768795

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: Cyclohexanol

CAS Number: 108-93-0

Date Report Requested: 09/17/2018

Time Report Requested: 20:36:58

NTP Study Number:

768795

Study Result:

Negative

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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	156 ± 4.8	144 ± 16.2	185 ± 8.3	175 ± 8.1	238 ± 17.4
33.0	155 ± 9.0	139 ± 6.1	203 ± 10.0	160 ± 16.2	235 ± 9.3
100.0	153 ± 5.8	135 ± 3.8	205 ± 15.5	169 ± 12.3	236 ± 9.9
333.0	149 ± 5.0	125 ± 10.3	190 ± 18.7	182 ± 4.2	264 ± 1.8
1000.0	143 ± 9.5	121 ± 7.3	214 ± 7.6	173 ± 14.7	243 ± 10.8
3333.0	140 ± 11.7	124 ± 3.7	213 ± 6.8	144 ± 6.2	244 ± 3.8
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²			532 ± 44.0	723 ± 169.5	906 ± 95.9
Positive Control ³	521 ± 31.2	444 ± 33.8			

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Strain: TA100

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	186 ± 9.3
33.0	170 ± 10.3
100.0	186 ± 1.5
333.0	181 ± 14.4
1000.0	182 ± 6.2
3333.0	188 ± 4.0
Trial Summary	Negative
Positive Control ²	983 ± 101.9
Positive Control ³	

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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	10 ± 0.7	10 ± 0.9	15 ± 1.2	15 ± 1.2	12 ± 0.3
33.0	11 ± 0.9	12 ± 0.7	17 ± 0.6	16 ± 1.2	11 ± 1.0
100.0	12 ± 0.9	12 ± 0.9	22 ± 2.7	17 ± 2.7	11 ± 0.6
333.0	11 ± 1.2	11 ± 1.7	19 ± 0.6	16 ± 1.3	15 ± 0.6
1000.0	12 ± 0.6	15 ± 1.5	20 ± 2.2	18 ± 4.5	19 ± 2.7
3333.0	8 ± 1.3	8 ± 0.6	23 ± 4.9	19 ± 2.1	14 ± 0.3
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²			33 ± 3.2	32 ± 3.3	54 ± 6.0
Positive Control ³	446 ± 41.1	540 ± 47.4			

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Strain: TA1535

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	11 ± 1.3
33.0	13 ± 1.8
100.0	12 ± 1.5
333.0	14 ± 1.9
1000.0	15 ± 1.2
3333.0	12 ± 1.2
Trial Summary	Negative
Positive Control ²	64 ± 3.5
Positive Control ³	

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Strain: TA1537

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	8 ± 1.2	6 ± 0.9	11 ± 2.7	10 ± 1.2	12 ± 2.0
33.0	5 ± 0.0	3 ± 1.2	11 ± 1.5	6 ± 2.0	10 ± 2.4
100.0	10 ± 1.9	4 ± 2.1	17 ± 2.3	8 ± 4.0	12 ± 1.9
333.0	6 ± 1.7	3 ± 0.9	11 ± 1.2	7 ± 1.3	18 ± 2.0
1000.0	11 ± 0.9	4 ± 2.3	11 ± 2.4	6 ± 2.1	11 ± 2.5
3333.0	4 ± 1.5	3 ± 0.9	12 ± 1.0	7 ± 1.9	11 ± 2.5
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²			35 ± 1.5	29 ± 3.8	69 ± 7.6
Positive Control ⁴	327 ± 48.7	128 ± 13.7			

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Strain: TA1537

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	7 ± 2.7
33.0	7 ± 0.7
100.0	6 ± 0.9
333.0	7 ± 1.8
1000.0	5 ± 1.5
3333.0	6 ± 0.3
Trial Summary	Negative
Positive Control ²	72 ± 5.8
Positive Control ⁴	

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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	27 ± 0.3	23 ± 1.9	48 ± 7.8	37 ± 2.2	68 ± 6.6
33.0	18 ± 2.3	14 ± 0.9	52 ± 7.8	42 ± 0.9	51 ± 3.0
100.0	26 ± 1.0	17 ± 3.2	73 ± 15.1	56 ± 0.9	65 ± 2.9
333.0	28 ± 1.5	18 ± 3.0	94 ± 6.7	57 ± 8.7	58 ± 5.0
1000.0	23 ± 4.0	19 ± 1.2	76 ± 6.9	52 ± 5.4	51 ± 1.3
3333.0	18 ± 0.6	15 ± 1.2	56 ± 4.2	43 ± 4.9	44 ± 2.4
Trial Summary	Negative	Negative	Equivocal	Negative	Negative
Positive Control ²			373 ± 36.4	325 ± 62.4	843 ± 33.7
Positive Control ⁵	522 ± 45.6	185 ± 2.3			

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Strain: TA98

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	54 ± 2.1
33.0	52 ± 5.7
100.0	52 ± 0.3
333.0	49 ± 4.0
1000.0	52 ± 6.1
3333.0	48 ± 9.8
Trial Summary	Negative
Positive Control ²	839 ± 55.7
Positive Control ⁵	

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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: 1.0 ug/Plate 2-Aminoanthracene

3: 3.3 ug/Plate Sodium Azide

4: 33.0 ug/Plate 9-Aminoacridine

5: 3.3 ug/Plate 4-Nitro-O-Phenylenediamine

**** END OF REPORT ****