

Experiment Number: 197399

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: 1,2-Dibromo-3-chloropropane

CAS Number: 96-12-8

Date Report Requested: 09/14/2018

Time Report Requested: 08:01:47

NTP Study Number:

197399

Study Result:

Positive

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Test Compound: 1,2-Dibromo-3-chloropropane

Time Report Requested: 08:01:47

CAS Number: 96-12-8

Strain: TA100

Dose (ug/Plate)	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9	With 10% Hamster S9
Vehicle Control ¹	110 ± 13.9	120 ± 10.2	142 ± 4.1	131 ± 11.2	156 ± 13.4
0.3					333 ± 16.5
1.0			155 ± 4.1		492 ± 34.2
3.0			182 ± 4.6		919 ± 11.2
10.0	121 ± 9.8	284 ± 13.6	237 ± 14.3	1246 ± 90.0	1659 ± 53.8
33.0	126 ± 7.3	537 ± 41.8	534 ± 77.7	1727 ± 83.3	2411 ± 91.2
100.0	129 ± 7.6	1109 ± 120.1	1071 ± 47.7	1898 ± 70.9	
333.0	120 ± 5.8	1841 ± 9.3		1405 ± 194.0	
666.0	Toxic	1251 ± 64.9		382 ± 73.6 ^s	
Trial Summary	Negative	Positive	Positive	Positive	Positive
Positive Control ²				1322 ± 81.0	1016 ± 52.4
Positive Control ³		1136 ± 33.2	839 ± 9.0		
Positive Control ⁴	473 ± 9.7				

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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	27 ± 1.5	25 ± 2.6	10 ± 1.5	11 ± 0.9	45 ± 7.8
0.3					
1.0					
3.0		23 ± 1.2		19 ± 1.2	
10.0	22 ± 0.7	22 ± 2.7	28 ± 0.0	25 ± 4.6	548 ± 17.1
33.0	23 ± 1.2	29 ± 1.5	63 ± 6.4	74 ± 9.0	915 ± 33.8
100.0	26 ± 3.0	37 ± 1.5	215 ± 15.0	247 ± 13.2	1099 ± 57.8
333.0	13 ± 2.2 ^s	22 ± 3.5 ^s	563 ± 56.2	685 ± 22.6	45 ± 4.0 ^s
666.0	Toxic		80 ± 21.4 ^s		0 ± 0.0 ^s
Trial Summary	Negative	Negative	Positive	Positive	Positive
Positive Control ³					166 ± 8.1
Positive Control ⁴	498 ± 10.8	491 ± 23.9			
Positive Control ⁵			154 ± 10.9	207 ± 11.0	

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Strain: TA1535

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	20 ± 2.0
0.3	46 ± 9.6
1.0	85 ± 14.4
3.0	231 ± 9.4
10.0	570 ± 14.0
33.0	1074 ± 48.1
100.0	
333.0	
666.0	
Trial Summary	Positive
Positive Control ³	221 ± 19.1
Positive Control ⁴	
Positive Control ⁵	

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Strain: TA1537

Dose (ug/Plate)	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	7 ± 1.8	7 ± 0.7
0.3		8 ± 1.2
1.0		9 ± 0.6
3.0	10 ± 1.5	8 ± 1.5
10.0	9 ± 3.6	13 ± 2.6
33.0	7 ± 1.7	9 ± 2.9
100.0	11 ± 2.0	
333.0	13 ± 1.7	
Trial Summary	Negative	Negative
Positive Control ⁵	232 ± 5.8	421 ± 33.8

Experiment Number: 197399

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Test Compound: 1,2-Dibromo-3-chloropropane
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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	139 ± 2.7	153 ± 5.0	177 ± 5.2	180 ± 9.4	186 ± 5.6
0.3					
1.0					
3.0		168 ± 5.2		191 ± 10.5	
10.0	148 ± 7.2	163 ± 8.2	201 ± 14.9	178 ± 11.1	410 ± 31.3
33.0	158 ± 3.6	166 ± 3.0	263 ± 6.4	232 ± 7.6	836 ± 85.1
100.0	161 ± 7.6	169 ± 11.6	380 ± 14.2	327 ± 11.5	1008 ± 38.6
333.0	133 ± 1.5 ^s	133 ± 13.7 ^s	696 ± 37.4	500 ± 16.8	836 ± 13.4
666.0	Toxic		556 ± 25.1		298 ± 5.0 ^s
Trial Summary	Negative	Negative	Positive	Positive	Positive
Positive Control ²					907 ± 34.0
Positive Control ³			765 ± 29.4	647 ± 32.0	
Positive Control ⁶	502 ± 15.4	606 ± 42.6			

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Strain: TA97

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	181 ± 8.7
0.3	219 ± 17.1
1.0	246 ± 12.7
3.0	334 ± 11.7
10.0	577 ± 30.2
33.0	1004 ± 19.9
100.0	
333.0	
666.0	
Trial Summary	Positive
Positive Control ²	696 ± 16.3
Positive Control ³	
Positive Control ⁶	

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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	19 ± 1.8	27 ± 4.7	30 ± 3.4	45 ± 2.9	29 ± 6.2
0.3					
1.0					
3.0		26 ± 3.5		39 ± 0.7	
10.0	21 ± 2.6	23 ± 1.5	32 ± 1.9	40 ± 3.6	63 ± 5.5
33.0	18 ± 2.0	22 ± 1.9	36 ± 4.7	34 ± 3.2	121 ± 3.0
100.0	24 ± 1.8	24 ± 1.5	37 ± 2.6	45 ± 4.5	162 ± 1.7
333.0	9 ± 1.2 ^s	19 ± 0.9 ^s	75 ± 8.0	74 ± 3.6	58 ± 13.7
666.0	Toxic		38 ± 1.5		0 ± 0.0 ^s
Trial Summary	Negative	Negative	Equivocal	Equivocal	Positive
Positive Control ²					1093 ± 7.8
Positive Control ³			817 ± 48.2	646 ± 16.8	
Positive Control ⁷	774 ± 37.4	879 ± 46.7			

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Strain: TA98

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	39 ± 1.2
0.3	35 ± 5.2
1.0	46 ± 5.2
3.0	43 ± 3.5
10.0	58 ± 7.5
33.0	109 ± 4.5
100.0	
333.0	
666.0	
Trial Summary	Positive
Positive Control ²	767 ± 17.8
Positive Control ³	
Positive Control ⁷	

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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 2-Aminoanthracene

3: 1.0 ug/Plate 2-Aminoanthracene

4: 1.0 ug/Plate Sodium Azide

5: 2.5 ug/Plate 2-Aminoanthracene

6: 25.0 ug/Plate 9-Aminoacridine

7: 2.5 ug/Plate 4-Nitro-O-Phenylenediamine

s: Slight Toxicity

**** END OF REPORT ****