

Experiment Number: 065376

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: Chlorodibromomethane

CAS Number: 124-48-1

Date Report Requested: 09/10/2018

Time Report Requested: 18:14:45

NTP Study Number:

065376

Study Result:

Negative

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CAS Number: 124-48-1

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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	126 ± 8.0	101 ± 14.2	218 ± 18.0	113 ± 5.0	199 ± 21.1
10.0					
33.0		88 ± 3.7		117 ± 5.5	
100.0	142 ± 3.1	103 ± 5.9	192 ± 9.4	99 ± 0.9	175 ± 5.0
333.0	139 ± 3.2	92 ± 10.7	219 ± 5.8	107 ± 3.7	176 ± 6.4
1000.0	125 ± 12.4	83 ± 12.4	138 ± 19.5	87 ± 9.3	Toxic
3333.0	Toxic	Toxic	0 ± 0.0	0 ± 0.0	0 ± 0.0
10000.0	0 ± 0.0		0 ± 0.0		0 ± 0.0
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²			1022 ± 82.0	625 ± 124.3	2476 ± 72.1
Positive Control ³	465 ± 33.7	427 ± 38.1			

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Strain: TA100

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	92 ± 5.6
10.0	92 ± 2.6
33.0	92 ± 3.6
100.0	99 ± 9.6
333.0	87 ± 10.0
1000.0	0 ± 0.0
3333.0	
10000.0	
Trial Summary	Negative
Positive Control ²	1307 ± 287.3
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	5 ± 1.2	7 ± 1.2	9 ± 2.7	8 ± 1.5	9 ± 1.5
33.0				9 ± 3.0	
100.0	4 ± 1.8	5 ± 0.3	6 ± 1.2	7 ± 2.0	4 ± 0.3
333.0	3 ± 0.3	4 ± 0.3	2 ± 0.7	9 ± 3.8	6 ± 0.9
1000.0	5 ± 0.9	5 ± 1.0	4 ± 0.6	Toxic	7 ± 1.0
3333.0	5 ± 1.5	5 ± 1.2	1 ± 0.3	Toxic	0 ± 0.0
10000.0	3 ± 0.3	3 ± 0.3	0 ± 0.3		0 ± 0.0
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²			40 ± 1.2	75 ± 20.7	60 ± 2.8
Positive Control ³	112 ± 9.8	46 ± 6.2			

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Strain: TA1535

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	7 ± 1.5
33.0	4 ± 0.3
100.0	4 ± 0.7
333.0	5 ± 0.7
1000.0	4 ± 1.3
3333.0	0 ± 0.0
10000.0	
Trial Summary	Negative
Positive Control ²	58 ± 8.5
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	5 ± 0.7	5 ± 0.9	17 ± 5.2	9 ± 1.2	11 ± 0.9
33.0		5 ± 1.2		7 ± 0.9	
100.0	4 ± 0.3	4 ± 1.2	14 ± 1.2	7 ± 0.3	11 ± 3.2
333.0	7 ± 0.9	5 ± 1.7	9 ± 2.3	5 ± 0.3	9 ± 0.3
1000.0	10 ± 0.3	5 ± 2.1	5 ± 0.7	4 ± 1.3	3 ± 0.6
3333.0	8 ± 0.3	4 ± 2.0	0 ± 0.0	0 ± 0.0	0 ± 0.0
10000.0	0 ± 0.0		0 ± 0.0		0 ± 0.0
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²			45 ± 10.1	75 ± 22.2	92 ± 3.7
Positive Control ⁴	38 ± 6.4	98 ± 7.5			

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Strain: TA1537

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	9 ± 1.0
33.0	6 ± 0.3
100.0	8 ± 0.3
333.0	7 ± 0.3
1000.0	2 ± 0.3
3333.0	0 ± 0.0
10000.0	
Trial Summary	Negative
Positive Control ²	75 ± 16.3
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	19 ± 2.0	15 ± 2.2	22 ± 1.2	24 ± 2.5	20 ± 1.2
33.0		11 ± 1.7		19 ± 0.3	
100.0	16 ± 1.2	12 ± 2.6	17 ± 1.2	19 ± 0.3	25 ± 4.1
333.0	20 ± 1.3	13 ± 1.2	21 ± 2.3	24 ± 0.6	11 ± 2.3
1000.0	17 ± 2.4	14 ± 1.3	11 ± 0.3	13 ± 0.3	14 ± 2.0
3333.0	15 ± 0.5	10 ± 1.0	1 ± 0.3	0 ± 0.3	0 ± 0.0
10000.0	0 ± 0.0		0 ± 0.0		0 ± 0.0
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²			543 ± 60.3	379 ± 47.0	2087 ± 48.5
Positive Control ⁵	271 ± 14.9	205 ± 18.6			

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Strain: TA98

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	21 ± 1.2
33.0	22 ± 0.9
100.0	28 ± 1.2
333.0	13 ± 0.6
1000.0	16 ± 0.6
3333.0	0 ± 0.0
10000.0	
Trial Summary	Negative
Positive Control ²	1389 ± 63.9
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: Dimethyl Sulfoxide
- 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 ****