

Experiment Number: **038604**

Test Type: **Genetic Toxicology - Bacterial
Mutagenicity**

G06: Ames Summary Data

Test Compound: **Bromodichloromethane**

CAS Number: **75-27-4**

Date Report Requested: **09/14/2018**

Time Report Requested: **20:04:32**

NTP Study Number:

038604

Study Result:

Negative

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Test Compound: Bromodichloromethane

CAS Number: 75-27-4

Date Report Requested: 09/14/2018

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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	118 ± 4.5	143 ± 7.1	116 ± 10.4	132 ± 7.8	131 ± 14.3
10.0	98 ± 8.1	140 ± 15.3	117 ± 6.8	160 ± 7.2	
33.0	91 ± 1.2	126 ± 12.2	120 ± 3.2	135 ± 19.3	146 ± 8.6
100.0	100 ± 5.2	106 ± 3.6	117 ± 14.8	125 ± 8.1	136 ± 7.2
333.0	91 ± 8.9	117 ± 4.7	108 ± 11.3	123 ± 8.4	127 ± 13.9
1000.0	99 ± 5.8	114 ± 4.1	102 ± 2.8	26 ± 26.3 ^s	29 ± 29.3 ^s
3333.0					Toxic
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²	417 ± 10.7	377 ± 8.7			
Positive Control ³			439 ± 14.4	456 ± 24.8	683 ± 19.1

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Strain: TA100

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	116 ± 3.8
10.0	114 ± 1.8
33.0	106 ± 14.7
100.0	122 ± 4.4
333.0	112 ± 18.5
1000.0	108 ± 4.8
3333.0	
Trial Summary	Negative
Positive Control ²	
Positive Control ³	966 ± 42.3

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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	36 ± 3.2	18 ± 0.9	36 ± 8.6	27 ± 5.8	35 ± 5.0
10.0	23 ± 3.6	30 ± 4.0	24 ± 4.6	22 ± 3.8	
33.0	15 ± 2.4	24 ± 3.8	22 ± 1.7	26 ± 7.8	20 ± 4.6
100.0	18 ± 0.6	28 ± 6.5	23 ± 3.3	22 ± 4.4	23 ± 4.3
333.0	16 ± 2.4	17 ± 1.5	20 ± 2.6	24 ± 5.8	17 ± 10.7
1000.0	16 ± 1.7	5 ± 3.7 ^s	22 ± 4.0	9 ± 6.2 ^s	4 ± 4.3 ^s
3333.0					0 ± 0.0 ^s
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²	476 ± 28.6	342 ± 42.1			
Positive Control ⁴			324 ± 11.1	178 ± 24.1	314 ± 9.5

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Test Compound: Bromodichloromethane
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Date Report Requested: 09/14/2018
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Strain: TA1535

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	17 ± 0.0
10.0	32 ± 4.0
33.0	36 ± 2.5
100.0	32 ± 4.0
333.0	37 ± 3.7
1000.0	29 ± 1.9
3333.0	
Trial Summary	Weakly Positive
Positive Control ²	
Positive Control ⁴	245 ± 10.7

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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 ± 0.7	5 ± 1.9	8 ± 2.6	6 ± 0.9	7 ± 3.1
10.0	9 ± 2.3	4 ± 0.9	9 ± 0.3	6 ± 1.0	
33.0	6 ± 1.3	7 ± 1.5	6 ± 1.2	7 ± 2.8	8 ± 0.3
100.0	8 ± 0.7	4 ± 0.3	6 ± 0.9	5 ± 1.5	7 ± 0.7
333.0	7 ± 0.7	5 ± 0.0	8 ± 2.6	8 ± 2.6	9 ± 2.0
1000.0	4 ± 1.0	5 ± 2.2	9 ± 3.6	9 ± 0.9	0 ± 0.0 ^s
3333.0					Toxic
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ⁴			292 ± 1.9	135 ± 8.7	319 ± 28.5
Positive Control ⁵	151 ± 11.7	350 ± 41.7			

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Date Report Requested: 09/14/2018
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Strain: TA1537

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	5 ± 0.9
10.0	7 ± 0.9
33.0	7 ± 2.9
100.0	4 ± 0.0
333.0	7 ± 1.3
1000.0	0 ± 0.0 ^s
3333.0	
Trial Summary	Negative
Positive Control ⁴	406 ± 11.5
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	26 ± 0.6	27 ± 1.0	44 ± 4.6	28 ± 2.3	36 ± 0.0
10.0	19 ± 5.3	23 ± 5.2	27 ± 1.7	36 ± 4.0	
33.0	22 ± 3.2	22 ± 4.0	28 ± 2.1	28 ± 0.3	37 ± 4.6
100.0	21 ± 5.5	18 ± 1.5	29 ± 4.8	23 ± 2.5	34 ± 7.1
333.0	14 ± 2.4	18 ± 1.3	29 ± 5.2	26 ± 3.0	34 ± 5.4
1000.0	16 ± 1.9	20 ± 2.8	27 ± 2.8	21 ± 4.3	0 ± 0.0 ^s
3333.0					Toxic
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ³			313 ± 4.1	326 ± 10.7	691 ± 134.3
Positive Control ⁶	749 ± 43.9	575 ± 33.3			

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Strain: TA98

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	20 ± 3.6
10.0	34 ± 1.2
33.0	28 ± 4.4
100.0	35 ± 2.7
333.0	29 ± 2.2
1000.0	14 ± 14.0
3333.0	
Trial Summary	Negative
Positive Control ³	764 ± 21.3
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: 95% Ethanol

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 ****