

Experiment Number: **312147**

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

G06: Ames Summary Data

Test Compound: **Tribromomethane**

CAS Number: **75-25-2**

Date Report Requested: **09/12/2018**

Time Report Requested: **03:57:58**

NTP Study Number:

312147

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	103 ± 4.3	111 ± 4.9	140 ± 11.5	126 ± 7.6	122 ± 3.2
10.0		100 ± 14.7		133 ± 11.3	
33.0	133 ± 15.6	114 ± 14.7	157 ± 9.5	135 ± 7.4	145 ± 16.6
100.0	119 ± 12.1	96 ± 21.9	182 ± 4.5	170 ± 12.9	162 ± 6.7
333.0	114 ± 13.0	99 ± 13.3	162 ± 10.9	155 ± 10.0	148 ± 4.4
1000.0	99 ± 10.3	89 ± 9.7	139 ± 12.9	113 ± 7.3	95 ± 2.4
3333.0	110 ± 11.1		0 ± 0.0		0 ± 0.0
Trial Summary	Negative	Negative	Negative	Equivocal	Negative
Positive Control ²			2153 ± 184.9	2079 ± 73.7	3187 ± 74.2
Positive Control ³	324 ± 35.4	265 ± 15.2			

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Strain: TA100

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	122 ± 7.8
10.0	137 ± 6.9
33.0	150 ± 10.7
100.0	148 ± 13.7
333.0	139 ± 5.9
1000.0	56 ± 28.7
3333.0	
Trial Summary	Negative
Positive Control ²	2762 ± 72.8
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 ± 1.5	4 ± 0.6	5 ± 1.7	4 ± 1.0	6 ± 1.2
10.0		2 ± 0.7		4 ± 1.5	
33.0	3 ± 0.7	2 ± 0.3	4 ± 0.6	3 ± 0.3	5 ± 1.5
100.0	2 ± 0.7	2 ± 0.0	8 ± 1.8	5 ± 0.7	5 ± 0.9
333.0	2 ± 1.2	2 ± 0.3	7 ± 1.2	7 ± 1.2	6 ± 1.0
1000.0	6 ± 0.9	4 ± 1.0	9 ± 2.0	7 ± 1.5	6 ± 1.5
3333.0	7 ± 0.9		0 ± 0.0		3 ± 0.3
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²			97 ± 17.1	29 ± 8.0	127 ± 7.8
Positive Control ³	150 ± 21.1	51 ± 4.4			

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Strain: TA1535

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	3 ± 1.5
10.0	3 ± 0.9
33.0	2 ± 0.3
100.0	3 ± 0.3
333.0	2 ± 1.0
1000.0	2 ± 0.7
3333.0	
Trial Summary	Negative
Positive Control ²	30 ± 9.4
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	3 ± 0.9	3 ± 0.6	6 ± 0.7	5 ± 0.3	5 ± 0.7
10.0		2 ± 0.9		6 ± 1.2	
33.0	3 ± 0.6	3 ± 0.3	10 ± 2.2	8 ± 0.3	4 ± 0.3
100.0	5 ± 0.6	3 ± 1.2	7 ± 0.6	5 ± 0.7	6 ± 0.7
333.0	2 ± 0.3	3 ± 1.0	3 ± 0.7	4 ± 0.7	7 ± 1.0
1000.0	1 ± 0.0	1 ± 0.3	6 ± 0.6	2 ± 1.5	5 ± 1.8
3333.0	0 ± 0.0		0 ± 0.0		0 ± 0.0
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²			174 ± 17.1	220 ± 9.0	103 ± 40.1
Positive Control ⁴	981 ± 130.9	129 ± 29.1			

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Strain: TA1537

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	5 ± 1.5
10.0	4 ± 1.2
33.0	5 ± 1.2
100.0	5 ± 1.2
333.0	5 ± 0.9
1000.0	5 ± 0.3
3333.0	
Trial Summary	Negative
Positive Control ²	156 ± 20.8
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	13 ± 2.0	11 ± 1.0	19 ± 1.5	19 ± 0.9	20 ± 1.7
10.0		10 ± 2.9		20 ± 2.6	
33.0	12 ± 2.0	11 ± 2.1	24 ± 1.2	21 ± 1.5	34 ± 2.3
100.0	9 ± 1.0	10 ± 2.5	26 ± 3.2	20 ± 4.1	18 ± 3.4
333.0	12 ± 0.9	9 ± 1.3	26 ± 1.7	23 ± 3.0	23 ± 1.5
1000.0	14 ± 1.7	12 ± 2.0	23 ± 1.5	21 ± 3.4	17 ± 2.5
3333.0	0 ± 0.0		0 ± 0.0		0 ± 0.0
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²			1346 ± 101.3	1258 ± 107.3	2530 ± 157.8
Positive Control ⁵	201 ± 14.3	120 ± 11.2			

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Test Compound: Tribromomethane
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Strain: TA98

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	19 ± 0.7
10.0	20 ± 0.9
33.0	24 ± 4.6
100.0	28 ± 5.6
333.0	16 ± 3.5
1000.0	19 ± 2.7
3333.0	
Trial Summary	Negative
Positive Control ²	2006 ± 59.5
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 ****