

Experiment Number: **G97039**

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

G06: Ames Summary Data

Test Compound: **Bromodichloroacetic Acid**

CAS Number: **71133-14-7**

Date Report Requested: **09/16/2018**

Time Report Requested: **11:26:40**

NTP Study Number:

G97039

Study Result:

Positive

Experiment Number: G97039

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Test Compound: Bromodichloroacetic Acid
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Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control ¹	103 ± 5.6	89 ± 5.7	114 ± 4.0	110 ± 5.8
500.0	127 ± 5.8	112 ± 1.0	121 ± 1.0	113 ± 3.2
1000.0	151 ± 16.2	170 ± 8.8	134 ± 10.1	127 ± 1.3
1500.0	307 ± 17.1	281 ± 12.8	138 ± 6.5	126 ± 13.9
3000.0	986 ± 20.5	500 ± 11.7	126 ± 14.3	129 ± 1.9
4500.0	1216 ± 35.3	664 ± 30.4	140 ± 7.5	138 ± 6.0
6000.0	1203 ± 21.9	623 ± 37.7	166 ± 6.0	156 ± 9.3
Trial Summary	Positive	Positive	Equivocal	Equivocal
Positive Control ²	763 ± 23.4	591 ± 23.8		
Positive Control ³			856 ± 26.5	634 ± 25.2

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Strain: TA97

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control ¹	111 ± 11.3	120 ± 8.1	172 ± 8.4	151 ± 4.3
500.0	147 ± 4.7	119 ± 7.2	173 ± 0.0	181 ± 2.8
1000.0	139 ± 10.1	121 ± 5.8	174 ± 6.7	164 ± 4.7
1500.0	169 ± 0.6	149 ± 16.0	184 ± 1.9	166 ± 4.2
3000.0	312 ± 17.5	229 ± 7.2	169 ± 13.9	168 ± 14.1
4500.0	452 ± 24.4	354 ± 31.7	214 ± 10.0	232 ± 15.4
6000.0	528 ± 9.7	354 ± 14.3	232 ± 1.2	217 ± 12.3
Trial Summary	Positive	Positive	Negative	Equivocal
Positive Control ⁴	1539 ± 43.9	2400 ± 70.1		
Positive Control ⁵			1854 ± 82.4	2744 ± 137.5

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Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control ¹	29 ± 2.9	24 ± 0.7	35 ± 7.6	27 ± 1.2
500.0	37 ± 5.0	32 ± 3.4	38 ± 2.5	28 ± 2.4
1000.0	33 ± 1.5	19 ± 2.3	44 ± 1.5	39 ± 5.2
1500.0	42 ± 7.6	30 ± 4.4	47 ± 7.0	28 ± 3.0
3000.0	64 ± 4.7	47 ± 6.7	51 ± 4.6	28 ± 2.3
4500.0	106 ± 12.5	59 ± 2.3	62 ± 3.8	41 ± 6.7
6000.0	149 ± 3.2	73 ± 4.6	65 ± 4.9	41 ± 2.5
Trial Summary	Positive	Positive	Equivocal	Equivocal
Positive Control ⁵			2066 ± 27.7	1476 ± 24.9
Positive Control ⁶	740 ± 10.7	622 ± 69.5		

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Strain: E. coli WP2 uvrA pKM101

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control ¹	168 ± 22.9	159 ± 2.7	157 ± 16.2	166 ± 8.7
500.0	213 ± 6.9	182 ± 7.0	226 ± 4.9	209 ± 5.4
1000.0	199 ± 27.5	203 ± 16.8	195 ± 33.4	236 ± 13.8
1500.0	239 ± 3.8	225 ± 18.9	274 ± 12.1	246 ± 5.6
3000.0	319 ± 11.6	274 ± 6.1	335 ± 5.7	273 ± 5.8
4500.0	454 ± 21.9	373 ± 16.1	381 ± 8.8	315 ± 6.9
6000.0	619 ± 21.5	586 ± 11.9	356 ± 46.3	380 ± 15.8
Trial Summary	Positive	Positive	Positive	Positive
Positive Control ⁴	1924 ± 29.4	1803 ± 88.4		
Positive Control ⁷			1657 ± 20.3	1259 ± 11.8

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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: Distilled Water

2: 1.0 ug/Plate Sodium Azide

3: 2.0 ug/Plate Other Positive Control

4: 0.25 ug/Plate Other Positive Control

5: 2.0 ug/Plate 2-Aminoanthracene

6: 3.0 ug/Plate 2-Nitrofluorene

7: 20.0 ug/Plate 2-Aminoanthracene

**** END OF REPORT ****