

Experiment Number: A83330

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

G06: Ames Summary Data

Test Compound: **Bromochloroacetic acid**

CAS Number: **5589-96-8**

Date Report Requested: **09/18/2018**

Time Report Requested: **00:28:17**

NTP Study Number:

A83330

Study Result:

Positive

Experiment Number: A83330

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Mutagenicity

G06: Ames Summary Data

Test Compound: Bromochloroacetic acid
CAS Number: 5589-96-8

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Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 30% Rat S9	With 30% Rat S9	With 30% Hamster S9
Vehicle Control ¹	125 ± 10.1	118 ± 6.8	140 ± 5.9	132 ± 3.1	131 ± 14.3
0.0				0 ± 0.0	
33.0	101 ± 10.1	117 ± 5.0	136 ± 2.7	119 ± 10.9	113 ± 12.5
100.0	168 ± 8.0	150 ± 8.8	176 ± 6.7	147 ± 5.0	146 ± 6.1
333.0	253 ± 17.0	170 ± 3.7	291 ± 12.1	340 ± 12.3	236 ± 10.8
666.0		373 ± 3.9		426 ± 9.0	
1000.0	540 ± 23.9	482 ± 3.0	681 ± 19.6	532 ± 27.0	589 ± 8.4
3333.0	1242 ± 55.8		1159 ± 38.1		1178 ± 58.6
Trial Summary	Positive	Positive	Positive	Positive	Positive
Positive Control ²					1250 ± 62.8
Positive Control ³	1187 ± 15.9	1352 ± 27.4			
Positive Control ⁴			838 ± 37.4	673 ± 38.4	

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Strain: TA100

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	143 ± 12.2
0.0	
33.0	145 ± 3.7
100.0	173 ± 7.0
333.0	225 ± 6.9
666.0	408 ± 15.8
1000.0	500 ± 27.8
3333.0	
Trial Summary	Positive
Positive Control ²	763 ± 25.2
Positive Control ³	
Positive Control ⁴	

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Strain: TA98

Dose (ug/Plate)	Without S9	With 30% Rat S9	With 30% Hamster S9
Vehicle Control ¹	18 ± 1.9	20 ± 2.2	25 ± 2.3
33.0	16 ± 1.2	21 ± 0.3	24 ± 4.6
100.0	16 ± 1.5	26 ± 1.7	22 ± 4.2
333.0	16 ± 2.0	21 ± 2.2	23 ± 3.5
1000.0	18 ± 3.8	21 ± 4.4	17 ± 3.7
3333.0	15 ± 2.5	22 ± 3.1	25 ± 1.0
Trial Summary	Negative	Negative	Negative
Positive Control ²			904 ± 33.8
Positive Control ⁵	422 ± 9.0		
Positive Control ⁶		513 ± 31.9	

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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: 2.0 ug/Plate 2-Aminoanthracene

3: 5.0 ug/Plate Sodium Azide

4: 5.0 ug/Plate 2-Aminoanthracene

5: 2.5 ug/Plate 4-Nitro-O-Phenylenediamine

6: 5.0 ug/Plate 4-Nitro-O-Phenylenediamine

**** END OF REPORT ****