

Experiment Number: 648636

Test Type: Genetic Toxicology - Bacterial  
Mutagenicity

**G06: Ames Summary Data**

Test Compound: Bromochloromethane

CAS Number: 74-97-5

Date Report Requested: 09/11/2018

Time Report Requested: 05:27:47

**NTP Study Number:**

648636

**Study Result:**

Positive

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## G06: Ames Summary Data

Test Compound: Bromochloromethane  
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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 <sup>1</sup>	160 ± 6.2	142 ± 6.4	127 ± 16.9	146 ± 7.2	141 ± 5.4
100.0				157 ± 8.3	
333.0	151 ± 9.8	161 ± 5.8	187 ± 0.9	216 ± 18.2	198 ± 13.0
1000.0	179 ± 21.1	210 ± 6.1	260 ± 4.8	277 ± 18.9	258 ± 22.4
1666.0		246 ± 4.4		299 ± 10.5	
3333.0	273 ± 19.7	277 ± 11.4	368 ± 7.6	391 ± 26.2	460 ± 36.6
6666.0	263 ± 20.9	234 ± 33.7	237 ± 11.2		321 ± 16.6
10000.0	180 ± 43.9		190 ± 18.7		234 ± 35.5
Trial Summary	Equivocal	Weakly Positive	Positive	Positive	Positive
Positive Control <sup>2</sup>					720 ± 25.2
Positive Control <sup>3</sup>	441 ± 8.7	512 ± 10.1			
Positive Control <sup>4</sup>			570 ± 25.8	655 ± 22.6	

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Strain: TA100

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Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control <sup>1</sup>	137 ± 13.2
100.0	151 ± 5.0
333.0	191 ± 10.1
1000.0	296 ± 20.4
1666.0	352 ± 11.5
3333.0	406 ± 26.5
6666.0	
10000.0	
Trial Summary	Positive
Positive Control <sup>2</sup>	700 ± 29.4
Positive Control <sup>3</sup>	
Positive Control <sup>4</sup>	

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## Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	With 30% Rat S9	With 30% Rat S9	With 30% Hamster S9
Vehicle Control <sup>1</sup>	12 ± 1.5	19 ± 1.7	42 ± 3.5	50 ± 3.2	29 ± 2.0
100.0		41 ± 1.9		65 ± 2.6	
333.0	25 ± 6.8	69 ± 11.9	62 ± 2.8	88 ± 7.0	43 ± 9.2
1000.0	52 ± 1.8	207 ± 6.4	88 ± 5.4	112 ± 9.2	72 ± 5.5
1666.0		234 ± 12.5		138 ± 9.9	
3333.0	110 ± 8.8	244 ± 28.9	101 ± 17.1	175 ± 20.6	83 ± 4.4
6666.0	58 ± 10.2		37 ± 9.8		27 ± 3.8
10000.0	19 ± 4.9 <sup>s</sup>		19 ± 2.3 <sup>s</sup>		19 ± 4.3 <sup>s</sup>
Trial Summary	Positive	Positive	Positive	Positive	Positive
Positive Control <sup>2</sup>			143 ± 2.8	115 ± 12.7	393 ± 30.2
Positive Control <sup>5</sup>	468 ± 16.5	453 ± 11.5			

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G06: Ames Summary Data  
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Strain: TA98

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Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control <sup>1</sup>	35 ± 4.4
100.0	35 ± 4.5
333.0	53 ± 1.0
1000.0	81 ± 8.2
1666.0	108 ± 10.8
3333.0	228 ± 96.5
6666.0	
10000.0	
Trial Summary	Positive
Positive Control <sup>2</sup>	283 ± 28.6
Positive Control <sup>5</sup>	

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**LEGEND**

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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: 1.0 ug/Plate Sodium Azide

4: 2.5 ug/Plate 2-Aminoanthracene

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

s: Slight Toxicity

**\*\* END OF REPORT \*\***