

Experiment Number: **783674**

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

G06: Ames Summary Data

Test Compound: **alpha-Bromotoluene**

CAS Number: **100-39-0**

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

Time Report Requested: **01:57:50**

NTP Study Number:

783674

Study Result:

Positive

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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	153 ± 3.5	133 ± 4.1	171 ± 5.2	129 ± 6.9	173 ± 12.7
3.0	159 ± 6.7	134 ± 13.6			
10.0	209 ± 6.6	165 ± 3.2	184 ± 5.9	159 ± 4.3	157 ± 10.9
16.0		182 ± 8.1			
33.0	337 ± 7.9	236 ± 6.4	216 ± 15.0	186 ± 8.7	197 ± 4.4
66.0		273 ± 19.1			
100.0	199 ± 21.4		259 ± 13.8	220 ± 2.9	231 ± 20.0
166.0	0 ± 0.0 ^s				
333.0			283 ± 12.7	226 ± 5.6	260 ± 25.8
666.0				153 ± 20.3 ^s	266 ± 18.8
1000.0			163 ± 30.9 ^s		
Trial Summary	Positive	Positive	Weakly Positive	Weakly Positive	Weakly Positive
Positive Control ²					720 ± 25.2
Positive Control ³	441 ± 8.7	378 ± 5.8			
Positive Control ⁴			570 ± 25.8	570 ± 39.2	

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Strain: TA100

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	164 ± 10.3
3.0	
10.0	165 ± 3.8
16.0	
33.0	161 ± 9.6
66.0	
100.0	221 ± 7.2
166.0	
333.0	258 ± 19.3
666.0	123 ± 61.3 ^s
1000.0	
Trial Summary	Weakly Positive
Positive Control ²	721 ± 18.8
Positive Control ³	
Positive Control ⁴	

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Strain: TA98				
Dose (ug/Plate)	Without S9	Without S9	With 30% Rat S9	With 30% Hamster S9
Vehicle Control ¹	18 ± 4.4	23 ± 1.0	49 ± 1.3	25 ± 0.7
1.0		23 ± 2.8		
3.0	17 ± 0.9	17 ± 0.9		
10.0	18 ± 1.7	18 ± 1.3	45 ± 2.6	33 ± 3.4
33.0	20 ± 2.6	20 ± 2.3	39 ± 4.8	23 ± 3.2
66.0		22 ± 2.5		
100.0	0 ± 0.0 ^s		40 ± 1.7	27 ± 4.9
166.0	Toxic			
333.0			31 ± 3.4	34 ± 2.0
666.0				31 ± 2.0
1000.0			7 ± 3.5 ^s	
Trial Summary	Negative	Negative	Negative	Negative
Positive Control ²			143 ± 2.8	393 ± 30.2
Positive Control ⁵	468 ± 16.5	498 ± 17.4		

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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: 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 ****