

Experiment Number: **A96196**

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

G06: Ames Summary Data

Test Compound: **1-Bromopropane**

CAS Number: **106-94-5**

Date Report Requested: **09/15/2018**

Time Report Requested: **17:03:02**

NTP Study Number:

A96196

Study Result:

Negative

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Test Compound: 1-Bromopropane

CAS Number: 106-94-5

Date Report Requested: 09/15/2018

Time Report Requested: 17:03:02

Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control ¹	150 ± 3.8	121 ± 15.8	124 ± 1.5	140 ± 8.4	104 ± 1.5
33.0		115 ± 5.8	121 ± 6.7		118 ± 5.6
100.0	144 ± 9.5	124 ± 4.4	123 ± 2.0	133 ± 5.0	109 ± 12.2
333.0	139 ± 7.1	127 ± 7.1	128 ± 10.5	117 ± 12.2	92 ± 7.8
1000.0	149 ± 6.8	128 ± 6.0	144 ± 4.5	103 ± 7.4	111 ± 6.9
3333.0	117 ± 1.5 ^s	107 ± 11.0 ^s	107 ± 7.0 ^s	123 ± 6.6 ^s	98 ± 19.0 ^s
10000.0	Toxic			95 ± 12.5 ^s	
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					661 ± 21.8
Positive Control ³	728 ± 26.5	279 ± 13.7			
Positive Control ⁴			523 ± 32.4		
Positive Control ⁵					
Positive Control ⁶				636 ± 27.3	

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Date Report Requested: 09/15/2018
Time Report Requested: 17:03:02

Strain: TA100

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	103 ± 9.3
33.0	
100.0	104 ± 7.7
333.0	108 ± 6.1
1000.0	98 ± 5.5
3333.0	118 ± 5.8 ^s
10000.0	Toxic
Trial Summary	Negative
Positive Control ²	
Positive Control ³	
Positive Control ⁴	
Positive Control ⁵	615 ± 14.4
Positive Control ⁶	

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Strain: TA1535

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control ¹	16 ± 2.3	10 ± 1.8	12 ± 2.2	14 ± 3.5	10 ± 1.7
33.0		9 ± 0.9	9 ± 1.5		9 ± 1.7
100.0	19 ± 1.7	11 ± 0.3	8 ± 1.0	14 ± 2.4	12 ± 1.9
333.0	14 ± 2.6	10 ± 0.9	8 ± 0.9	18 ± 3.3	11 ± 1.5
1000.0	14 ± 1.0	10 ± 0.9	13 ± 1.8	15 ± 0.3	12 ± 0.7
3333.0	6 ± 3.1 ^s	9 ± 0.6 ^s	8 ± 1.8 ^s	8 ± 0.3 ^s	8 ± 1.2 ^s
10000.0	2 ± 1.2 ^s			4 ± 1.2 ^s	
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					60 ± 5.6
Positive Control ³	226 ± 9.8	199 ± 18.7			
Positive Control ⁵					
Positive Control ⁶			127 ± 13.0	80 ± 7.9	

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Test Compound: 1-Bromopropane
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Date Report Requested: 09/15/2018
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Strain: TA1535

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	12 ± 1.9
33.0	
100.0	18 ± 2.0
333.0	15 ± 4.3
1000.0	17 ± 1.5
3333.0	10 ± 1.2 ^s
10000.0	6 ± 0.6 ^s
Trial Summary	Negative
Positive Control ²	
Positive Control ³	
Positive Control ⁵	137 ± 8.7
Positive Control ⁶	

Experiment Number: A96196

Test Type: Genetic Toxicology - Bacterial
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G06: Ames Summary Data

Test Compound: 1-Bromopropane

CAS Number: 106-94-5

Date Report Requested: 09/15/2018

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Strain: TA97

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control ¹	134 ± 26.7	105 ± 12.2	161 ± 7.4	168 ± 13.1	156 ± 6.0
33.0		130 ± 12.0	156 ± 8.7		163 ± 12.5
100.0	108 ± 8.7	121 ± 2.7	141 ± 9.0	170 ± 9.3	114 ± 16.5
333.0	98 ± 4.8	132 ± 6.4	149 ± 13.9	168 ± 4.6	124 ± 3.6
1000.0	117 ± 4.4	125 ± 5.9	147 ± 8.1	180 ± 13.3	143 ± 6.7
3333.0	86 ± 2.6 ^s	117 ± 6.7 ^s	122 ± 10.0 ^s	121 ± 13.3 ^s	113 ± 9.5 ^s
10000.0	40 ± 21.8 ^s			70 ± 15.3 ^s	
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ⁴					988 ± 29.8
Positive Control ⁶			1084 ± 31.7	418 ± 15.9	
Positive Control ⁷	354 ± 17.2	211 ± 3.8			

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Date Report Requested: 09/15/2018
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Strain: TA97

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	125 ± 8.7
33.0	
100.0	141 ± 11.3
333.0	133 ± 12.5
1000.0	166 ± 2.5
3333.0	91 ± 15.7 ^s
10000.0	53 ± 3.3 ^s
Trial Summary	Negative
Positive Control ⁴	
Positive Control ⁶	1063 ± 138.3
Positive Control ⁷	

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Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control ¹	23 ± 3.3	14 ± 0.9	25 ± 2.3	31 ± 3.8	16 ± 1.2
33.0		18 ± 2.1	24 ± 3.2		21 ± 3.0
100.0	23 ± 1.9	15 ± 1.9	22 ± 2.3	27 ± 3.0	24 ± 2.8
333.0	17 ± 1.8	16 ± 1.5	21 ± 4.6	23 ± 2.3	14 ± 0.7
1000.0	19 ± 2.1	15 ± 0.6	20 ± 1.7	21 ± 0.9	20 ± 1.5
3333.0	19 ± 1.3	17 ± 2.4 ^s	15 ± 1.0 ^s	15 ± 1.8 ^s	12 ± 2.5 ^s
10000.0	8 ± 2.0 ^s			13 ± 0.3 ^s	
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²			302 ± 21.6		875 ± 24.1
Positive Control ⁵				824 ± 27.6	
Positive Control ⁸	340 ± 17.3	166 ± 3.2			

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Test Compound: 1-Bromopropane
CAS Number: 106-94-5

Date Report Requested: 09/15/2018
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Strain: TA98

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	29 ± 0.6
33.0	
100.0	23 ± 2.1
333.0	17 ± 2.0
1000.0	22 ± 1.5
3333.0	19 ± 1.8 ^s
10000.0	11 ± 2.3 ^s
Trial Summary	Negative
Positive Control ²	
Positive Control ⁵	578 ± 16.6
Positive Control 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: Dimethyl Sulfoxide
- 2: 0.4 ug/Plate 2-Aminoanthracene
- 3: 0.5 ug/Plate Sodium Azide
- 4: 0.75 ug/Plate 2-Aminoanthracene
- 5: 1.0 ug/Plate 2-Aminoanthracene
- 6: 2.0 ug/Plate 2-Aminoanthracene
- 7: 24.0 ug/Plate 9-Aminoacridine
- 8: 1.0 ug/Plate 4-Nitro-O-Phenylenediamine
- s: Slight Toxicity

** END OF REPORT **