

Experiment Number: 329476

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

G06: Ames Summary Data

Test Compound: **Potassium bromide**

CAS Number: 7758-02-3

Date Report Requested: **09/12/2018**

Time Report Requested: **16:34:27**

NTP Study Number:

329476

Study Result:

Negative

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Test Compound: Potassium bromide

CAS Number: 7758-02-3

Date Report Requested: 09/12/2018

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Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control ¹	108 ± 4.3	111 ± 3.0	118 ± 8.2	123 ± 7.2	125 ± 12.3
100.0	106 ± 4.9	104 ± 5.5	128 ± 9.3	122 ± 1.7	115 ± 6.7
333.0	107 ± 2.9	100 ± 7.2	116 ± 6.3	115 ± 1.2	113 ± 8.8
1000.0	94 ± 6.4	99 ± 2.9	112 ± 7.1	119 ± 5.7	127 ± 6.9
3333.0	94 ± 1.2	99 ± 6.9	108 ± 5.5	111 ± 5.9	116 ± 8.4
10000.0	105 ± 2.5	97 ± 7.0	116 ± 5.6	120 ± 5.3	122 ± 4.7
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					715 ± 74.8
Positive Control ³	429 ± 13.1	665 ± 3.2			
Positive Control ⁴			1378 ± 68.4		
Positive Control ⁵					
Positive Control ⁶				1138 ± 18.7	

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Strain: TA100

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	120 ± 13.5
100.0	116 ± 3.5
333.0	117 ± 8.1
1000.0	109 ± 5.5
3333.0	126 ± 3.9
10000.0	103 ± 8.3
Trial Summary	Negative
Positive Control ²	
Positive Control ³	
Positive Control ⁴	
Positive Control ⁵	761 ± 3.7
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	10 ± 1.3	9 ± 0.0	10 ± 1.2	16 ± 2.7	12 ± 2.2
100.0	11 ± 2.3	12 ± 2.5	15 ± 3.3	13 ± 0.9	11 ± 3.2
333.0	12 ± 1.5	9 ± 1.0	9 ± 1.0	12 ± 3.2	14 ± 1.2
1000.0	7 ± 0.9	9 ± 1.2	11 ± 2.7	12 ± 1.0	11 ± 0.6
3333.0	12 ± 2.1	9 ± 0.3	12 ± 1.2	13 ± 0.9	9 ± 1.8
10000.0	8 ± 0.9	12 ± 0.9	10 ± 2.5	10 ± 1.0	11 ± 2.9
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					52 ± 3.1
Positive Control ³	306 ± 17.9	287 ± 8.5			
Positive Control ⁵					
Positive Control ⁶			200 ± 10.3	138 ± 11.3	

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Test Compound: Potassium bromide

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Strain: TA1535

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	11 ± 2.7
100.0	14 ± 1.7
333.0	12 ± 2.3
1000.0	13 ± 2.1
3333.0	11 ± 2.1
10000.0	11 ± 1.5
Trial Summary	Negative
Positive Control ²	
Positive Control ³	
Positive Control ⁵	74 ± 5.5
Positive Control ⁶	

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Test Compound: Potassium bromide

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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	159 ± 3.2	158 ± 10.3	177 ± 4.6	200 ± 4.1	190 ± 7.6
100.0	144 ± 7.0	171 ± 11.0	184 ± 10.7	215 ± 17.0	179 ± 5.2
333.0	136 ± 5.5	143 ± 5.7	187 ± 3.5	207 ± 9.9	168 ± 2.3
1000.0	154 ± 12.2	158 ± 0.9	181 ± 6.4	217 ± 15.0	175 ± 7.2
3333.0	135 ± 8.5	166 ± 4.8	178 ± 6.2	182 ± 13.7	159 ± 9.6
10000.0	152 ± 4.6	158 ± 8.3	173 ± 9.7	177 ± 15.0	178 ± 5.7
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ⁴					1768 ± 86.8
Positive Control ⁶			2642 ± 47.9	1023 ± 3.8	
Positive Control ⁷	559 ± 38.0	314 ± 7.8			

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Strain: TA97

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	181 ± 9.8
100.0	173 ± 9.5
333.0	171 ± 2.0
1000.0	167 ± 1.2
3333.0	169 ± 8.3
10000.0	152 ± 10.3
Trial Summary	Negative
Positive Control ⁴	
Positive Control ⁶	1430 ± 50.0
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	18 ± 0.9	19 ± 0.7	24 ± 2.4	26 ± 2.0	29 ± 2.2
100.0	12 ± 2.7	17 ± 0.7	24 ± 0.9	15 ± 3.5	23 ± 0.3
333.0	17 ± 0.9	18 ± 1.7	24 ± 3.0	17 ± 2.7	25 ± 1.5
1000.0	17 ± 1.0	18 ± 3.0	30 ± 1.2	17 ± 1.0	30 ± 9.3
3333.0	15 ± 1.2	19 ± 1.2	27 ± 5.4	21 ± 1.2	27 ± 5.2
10000.0	13 ± 1.5	20 ± 2.9	21 ± 4.8	22 ± 3.2	26 ± 1.5
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²			421 ± 6.1		437 ± 14.1
Positive Control ⁸	337 ± 5.2	451 ± 13.7			
Positive Control ⁵				431 ± 6.5	

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Strain: TA98

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	24 ± 2.9
100.0	15 ± 1.8
333.0	16 ± 3.0
1000.0	21 ± 4.3
3333.0	16 ± 4.6
10000.0	15 ± 2.1
Trial Summary	Negative
Positive Control ²	
Positive Control ⁸	
Positive Control ⁵	797 ± 147.1

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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: Water

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

**** END OF REPORT ****