

Experiment Number: A29335

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

G06: Ames Summary Data

Test Compound: **3-Bromobenzaldehyde**

CAS Number: 3132-99-8

Date Report Requested: **09/16/2018**

Time Report Requested: **14:49:19**

NTP Study Number:

A29335

Study Result:

Negative

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Test Compound: 3-Bromobenzaldehyde
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Date Report Requested: 09/16/2018

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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	110 ± 3.2	119 ± 7.1	106 ± 7.2	114 ± 7.3	104 ± 6.0
3.0	111 ± 4.1	106 ± 2.3	111 ± 3.4	111 ± 3.8	107 ± 10.3
10.0	109 ± 5.3	119 ± 7.9	117 ± 8.5	111 ± 5.1	112 ± 3.9
33.0	98 ± 12.7	119 ± 4.1	119 ± 8.2	106 ± 1.8	86 ± 3.7
100.0	101 ± 1.8	128 ± 3.5	116 ± 9.4	106 ± 1.8	119 ± 5.7
333.0	66 ± 7.3 ^s	2 ± 1.7 ^x	120 ± 5.3	112 ± 1.7	107 ± 3.1
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					540 ± 17.1
Positive Control ³			528 ± 15.0		
Positive Control ⁴	854 ± 21.4	917 ± 39.7			
Positive Control ⁵				540 ± 7.8	

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Strain: TA100

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	110 ± 1.3
3.0	96 ± 11.3
10.0	103 ± 5.3
33.0	115 ± 3.0
100.0	114 ± 2.2
333.0	114 ± 0.9
Trial Summary	Negative
Positive Control ²	
Positive Control ³	647 ± 23.4
Positive Control ⁴	
Positive Control ⁵	

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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 ± 2.5	7 ± 0.6	10 ± 1.0	13 ± 2.3	10 ± 0.3
3.0	10 ± 1.2	10 ± 1.2	7 ± 0.3	16 ± 2.1	8 ± 0.6
10.0	12 ± 1.5	9 ± 1.5	9 ± 1.2	15 ± 1.9	7 ± 0.3
33.0	13 ± 2.9	9 ± 0.9	11 ± 2.1	11 ± 1.8	9 ± 1.2
100.0	8 ± 2.3	10 ± 2.0	12 ± 1.5	13 ± 0.3	10 ± 2.5
333.0	7 ± 0.9 ^s	9 ± 4.7 ^s	9 ± 0.7	15 ± 1.0	6 ± 0.3
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ³					92 ± 9.5
Positive Control ⁵			58 ± 4.0		
Positive Control ⁴	1010 ± 12.9	831 ± 16.0			
Positive Control ⁶				123 ± 12.5	

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Test Compound: 3-Bromobenzaldehyde
CAS Number: 3132-99-8

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Strain: TA1535

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	9 ± 2.0
3.0	9 ± 1.7
10.0	12 ± 1.7
33.0	10 ± 1.7
100.0	10 ± 1.5
333.0	11 ± 1.9
Trial Summary	Negative
Positive Control ³	
Positive Control ⁵	224 ± 6.1
Positive Control ⁴	
Positive Control ⁶	

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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 ± 1.9	127 ± 2.3	165 ± 7.0	162 ± 8.8	113 ± 1.5
3.0	133 ± 8.7	113 ± 6.9	176 ± 19.8	136 ± 5.8	113 ± 9.3
10.0	133 ± 8.8	137 ± 3.5	148 ± 9.6	132 ± 8.0	127 ± 3.9
33.0	120 ± 5.5	132 ± 8.2	162 ± 4.6	140 ± 12.8	131 ± 0.6
100.0	123 ± 8.3	148 ± 8.1	168 ± 4.2	158 ± 15.2	118 ± 5.0
333.0	105 ± 5.1 ^s	31 ± 22.9 ^x	136 ± 6.0	141 ± 15.1	112 ± 5.3
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					616 ± 34.1
Positive Control ³			538 ± 10.1		
Positive Control ⁵				571 ± 9.8	
Positive Control ⁷	558 ± 25.1	639 ± 19.5			

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Strain: TA97

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	127 ± 14.9
3.0	124 ± 5.5
10.0	116 ± 0.7
33.0	122 ± 14.0
100.0	155 ± 9.2
333.0	161 ± 3.2
Trial Summary	Negative
Positive Control ²	
Positive Control ³	938 ± 62.0
Positive Control ⁵	
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	17 ± 0.3	16 ± 0.9	25 ± 0.6	19 ± 0.7	24 ± 5.2
3.0	21 ± 1.5	16 ± 2.1	20 ± 2.6	17 ± 0.9	20 ± 0.9
10.0	15 ± 4.4	17 ± 2.0	23 ± 1.8	18 ± 1.2	25 ± 3.8
33.0	19 ± 1.0	17 ± 1.8	22 ± 1.2	19 ± 2.3	20 ± 2.6
100.0	15 ± 1.5	19 ± 3.2	24 ± 3.5	16 ± 1.2	22 ± 2.7
333.0	10 ± 1.7 ^s	2 ± 1.7 ^x	19 ± 3.4	17 ± 0.7	16 ± 1.5
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					559 ± 9.0
Positive Control ³			355 ± 13.5		
Positive Control ⁸	409 ± 3.6				
Positive Control ⁹		682 ± 38.0			
Positive Control ⁵				251 ± 23.0	

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Strain: TA98

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	19 ± 4.0
3.0	14 ± 2.6
10.0	19 ± 3.8
33.0	14 ± 2.6
100.0	19 ± 4.4
333.0	21 ± 3.8
Trial Summary	Negative
Positive Control ²	
Positive Control ³	352 ± 18.7
Positive Control ⁸	
Positive Control ⁹	
Positive Control ⁵	

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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: 2.0 ug/Plate 2-Aminoanthracene

4: 5.0 ug/Plate Sodium Azide

5: 5.0 ug/Plate 2-Aminoanthracene

6: 10.0 ug/Plate 2-Aminoanthracene

7: 50.0 ug/Plate 9-Aminoacridine

8: 2.5 ug/Plate 4-Nitro-O-Phenylenediamine

9: 2.5 ug/Plate 9-Aminoacridine

s: Slight Toxicity

x: Slight Toxicity and Precipitate

**** END OF REPORT ****