

Experiment Number: 731380

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

G06: Ames Summary Data

Test Compound: **Bismuth subsalicylate**

CAS Number: **14882-18-9**

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

Time Report Requested: **20:14:38**

NTP Study Number:

731380

Study Result:

Negative

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Date Report Requested: 09/12/2018
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Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	101 ± 3.2	130 ± 4.6	125 ± 4.5	107 ± 4.8	122 ± 8.2
3.3	92 ± 1.7	105 ± 2.1		103 ± 2.7	
10.0	93 ± 0.6	132 ± 9.3	108 ± 5.4	100 ± 0.6	116 ± 7.7
33.0	108 ± 5.0	111 ± 5.8	122 ± 7.5	108 ± 4.5	115 ± 8.1
100.0	104 ± 1.9	123 ± 9.0	115 ± 7.3	100 ± 8.4	101 ± 1.0
333.0	49 ± 5.2	84 ± 2.9	12 ± 4.7	83 ± 4.3	14 ± 3.0
666.0			2 ± 1.0		3 ± 0.6
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					979 ± 22.4
Positive Control ³			1459 ± 33.5	1700 ± 55.2	
Positive Control ⁴	1519 ± 64.6	1615 ± 43.6			

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Strain: TA100

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	108 ± 4.4
3.3	96 ± 2.4
10.0	92 ± 2.0
33.0	113 ± 5.8
100.0	101 ± 8.3
333.0	90 ± 2.0
666.0	
Trial Summary	Negative
Positive Control ²	1382 ± 127.5
Positive Control ³	
Positive Control ⁴	

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Strain: TA1535

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	14 ± 3.8	27 ± 5.1	9 ± 1.0	11 ± 1.0	10 ± 1.9
3.3	12 ± 3.4				
10.0	12 ± 3.4	26 ± 4.8	12 ± 0.3	9 ± 2.0	12 ± 1.3
33.0	12 ± 2.0	21 ± 2.8	5 ± 1.9	7 ± 1.8	10 ± 1.5
100.0	8 ± 1.3	18 ± 2.3	7 ± 1.3	7 ± 2.6	6 ± 1.2
333.0	4 ± 0.6	2 ± 1.0	1 ± 0.7	1 ± 0.6	1 ± 0.6
666.0		0 ± 0.0	0 ± 0.3	0 ± 0.0	0 ± 0.3
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					87 ± 1.3
Positive Control ³			113 ± 0.6	182 ± 6.4	
Positive Control ⁴	1173 ± 54.9	1320 ± 45.1			

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Strain: TA1535

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	10 ± 2.7
3.3	
10.0	11 ± 1.2
33.0	10 ± 1.2
100.0	5 ± 0.9
333.0	4 ± 1.3
666.0	0 ± 0.0
Trial Summary	Negative
Positive Control ²	184 ± 8.4
Positive Control ³	
Positive Control ⁴	

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Strain: TA1537

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	5 ± 1.0	6 ± 0.3	9 ± 0.3	8 ± 0.7	8 ± 2.6
3.3	4 ± 0.7				
10.0	4 ± 1.2	6 ± 0.9	8 ± 0.3	7 ± 1.5	7 ± 0.6
33.0	6 ± 1.2	7 ± 3.5	9 ± 2.3	8 ± 1.7	8 ± 1.7
100.0	6 ± 0.9	4 ± 1.2	5 ± 0.9	8 ± 0.9	4 ± 0.6
333.0	3 ± 0.7	2 ± 0.3	3 ± 0.3	4 ± 1.2	2 ± 0.6
666.0		0 ± 0.0	0 ± 0.0	0 ± 0.0	0 ± 0.0
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					89 ± 13.0
Positive Control ³			140 ± 7.6	133 ± 2.7	
Positive Control ⁵	426 ± 60.9	614 ± 162.9			

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Strain: TA1537

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	6 ± 0.9
3.3	
10.0	6 ± 0.9
33.0	6 ± 0.7
100.0	6 ± 0.7
333.0	3 ± 0.9
666.0	1 ± 0.3
Trial Summary	Negative
Positive Control ²	120 ± 18.2
Positive Control ³	
Positive Control ⁵	

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Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	13 ± 2.0	17 ± 1.2	27 ± 7.3	30 ± 3.7	25 ± 3.5
3.3	17 ± 1.2				
10.0	15 ± 1.7	14 ± 2.7	28 ± 1.5	24 ± 1.9	28 ± 0.9
33.0	20 ± 0.9	17 ± 1.2	22 ± 3.2	23 ± 1.8	25 ± 2.2
100.0	12 ± 2.1	13 ± 2.1	19 ± 1.9	24 ± 0.6	23 ± 3.5
333.0	12 ± 1.2	12 ± 3.5	14 ± 1.5	18 ± 2.7	12 ± 1.2
666.0		9 ± 0.9	19 ± 1.9	18 ± 3.8	14 ± 1.2
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					615 ± 28.7
Positive Control ³			867 ± 11.6	1503 ± 9.5	
Positive Control ⁶	1674 ± 15.0	1085 ± 2.6			

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Strain: TA98

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	24 ± 6.8
3.3	
10.0	27 ± 3.5
33.0	28 ± 2.1
100.0	22 ± 2.1
333.0	20 ± 4.0
666.0	21 ± 1.9
Trial Summary	Negative
Positive Control ²	1449 ± 83.9
Positive Control ³	
Positive Control ⁶	

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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: 0.75 ug/Plate 2-Aminoanthracene

3: 1.5 ug/Plate 2-Aminoanthracene

4: 2.5 ug/Plate Sodium Azide

5: 80.0 ug/Plate 9-Aminoacridine

6: 12.0 ug/Plate 4-Nitro-O-Phenylenediamine

**** END OF REPORT ****