

Experiment Number: 471613

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

G06: Ames Summary Data

Test Compound: **Sodium thioglycolate**

CAS Number: 367-51-1

Date Report Requested: 09/11/2018

Time Report Requested: 16:16:23

NTP Study Number:

471613

Study Result:

Negative

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CAS Number: 367-51-1

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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	100 ± 5.0	110 ± 5.8	175 ± 27.8	189 ± 8.7	185 ± 26.5
10.0	95 ± 5.0	126 ± 11.4	140 ± 30.4	204 ± 37.7	160 ± 18.0
33.0	105 ± 31.2	129 ± 7.5	170 ± 40.9	189 ± 3.5	195 ± 30.0
100.0	115 ± 10.0	121 ± 3.8	145 ± 18.0	175 ± 9.0	220 ± 18.0
333.0	125 ± 13.2	122 ± 8.5	135 ± 8.7	221 ± 8.1	160 ± 5.0
1000.0	120 ± 30.0	124 ± 8.8	155 ± 35.0	181 ± 18.1	215 ± 13.2
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²			300 ± 11.1	430 ± 70.3	558 ± 5.9
Positive Control ³	430 ± 27.8	599 ± 36.4			

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Strain: TA100

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	179 ± 11.7
10.0	164 ± 6.2
33.0	174 ± 7.6
100.0	221 ± 4.2
333.0	173 ± 10.1
1000.0	202 ± 4.3
Trial Summary	Equivocal
Positive Control ²	836 ± 172.5
Positive Control ³	

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CAS Number: 367-51-1

Strain: TA1535

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Hamster S9	With 10% Hamster S9
Vehicle Control ¹	7 ± 0.7	7 ± 0.6	7 ± 0.7	6 ± 0.9	7 ± 2.6
10.0	6 ± 1.0	6 ± 0.9	8 ± 1.2	5 ± 0.9	6 ± 2.0
33.0	5 ± 1.5	6 ± 0.9	6 ± 1.3	7 ± 1.5	9 ± 1.2
100.0	8 ± 3.5	9 ± 1.3	6 ± 0.9	7 ± 0.6	9 ± 0.7
333.0	6 ± 0.6	6 ± 0.9	8 ± 1.2	5 ± 1.2	7 ± 1.5
1000.0	5 ± 1.2	8 ± 2.0	8 ± 0.9	5 ± 0.3	8 ± 1.2
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²			135 ± 9.7	106 ± 16.0	43 ± 4.1
Positive Control ³	288 ± 32.3	251 ± 40.8			

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Test Compound: Sodium thioglycolate

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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	6 ± 2.9	5 ± 1.0	5 ± 1.2	7 ± 2.2	8 ± 1.0
10.0	7 ± 0.9	6 ± 0.6	4 ± 0.9	8 ± 1.7	4 ± 0.9
33.0	6 ± 0.6	6 ± 0.7	8 ± 2.1	12 ± 2.1	6 ± 0.3
100.0	5 ± 1.2	3 ± 1.8	6 ± 1.5	8 ± 2.0	5 ± 0.9
333.0	6 ± 1.2	8 ± 1.5	5 ± 0.6	9 ± 1.0	6 ± 0.6
1000.0	7 ± 1.5	6 ± 0.0	6 ± 1.5	10 ± 1.5	6 ± 0.3
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²			48 ± 7.8	60 ± 28.7	92 ± 9.2
Positive Control ⁴	133 ± 12.0	248 ± 79.2			

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Test Compound: **Sodium thioglycolate**

CAS Number: 367-51-1

Date Report Requested: 09/11/2018

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Strain: TA1537

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	12 ± 1.9
10.0	9 ± 2.7
33.0	11 ± 2.0
100.0	6 ± 1.2
333.0	9 ± 2.6
1000.0	9 ± 0.5
Trial Summary	Negative
Positive Control ²	48 ± 7.2
Positive Control ⁴	

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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	17 ± 2.1	14 ± 2.4	18 ± 2.2	16 ± 1.2	22 ± 1.8
10.0	17 ± 1.5	11 ± 1.7	27 ± 4.9	20 ± 2.3	25 ± 2.0
33.0	21 ± 2.0	14 ± 1.7	15 ± 2.6	18 ± 2.9	23 ± 2.2
100.0	21 ± 3.1	13 ± 2.3	18 ± 3.1	15 ± 1.0	18 ± 1.9
333.0	20 ± 1.9	13 ± 1.7	19 ± 2.7	15 ± 1.2	23 ± 2.3
1000.0	22 ± 2.7	14 ± 3.2	16 ± 0.9	16 ± 2.8	18 ± 3.5
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²			142 ± 23.1	134 ± 14.9	468 ± 16.1
Positive Control ⁵	246 ± 22.7	256 ± 43.9			

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Strain: TA98

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	21 ± 1.0
10.0	19 ± 3.5
33.0	16 ± 3.5
100.0	17 ± 0.9
333.0	19 ± 2.1
1000.0	18 ± 1.0
Trial Summary	Negative
Positive Control ²	444 ± 50.8
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: Water

2: 1.0 ug/Plate 2-Aminoanthracene

3: 3.3 ug/Plate Sodium Azide

4: 33.0 ug/Plate 9-Aminoacridine

5: 3.3 ug/Plate 4-Nitro-O-Phenylenediamine

**** END OF REPORT ****