

Experiment Number: 713642

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

G06: Ames Summary Data

Test Compound: **Rhodanine**

CAS Number: **141-84-4**

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

Time Report Requested: **13:56:10**

NTP Study Number:

713642

Study Result:

Negative

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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	82 ± 4.8	126 ± 18.3	147 ± 1.5	177 ± 13.9	168 ± 9.0
10.0	100 ± 8.1	153 ± 2.1	148 ± 5.4	201 ± 13.0	158 ± 11.8
33.0	91 ± 2.6	141 ± 3.2	133 ± 4.5	193 ± 17.4	153 ± 6.2
100.0	91 ± 3.0	147 ± 5.6	147 ± 2.6	194 ± 11.1	142 ± 8.2
333.0	100 ± 2.7	131 ± 11.4	132 ± 8.5	175 ± 8.2	129 ± 4.5
1000.0	70 ± 8.7	103 ± 5.7	139 ± 0.6	168 ± 11.0	117 ± 7.6
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²			295 ± 6.1	376 ± 16.6	738 ± 47.6
Positive Control ³	372 ± 13.1	525 ± 8.1			

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Strain: TA100

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	208 ± 15.1
10.0	221 ± 14.4
33.0	204 ± 8.0
100.0	202 ± 13.6
333.0	187 ± 20.1
1000.0	168 ± 12.0
Trial Summary	Negative
Positive Control ²	806 ± 48.4
Positive Control ³	

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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	5 ± 0.6	5 ± 0.6	6 ± 2.0	6 ± 0.6	5 ± 0.3
10.0	4 ± 0.9	4 ± 0.3	7 ± 0.3	8 ± 0.6	7 ± 1.2
33.0	4 ± 0.7	5 ± 0.7	7 ± 0.6	7 ± 0.6	4 ± 0.7
100.0	3 ± 1.9	3 ± 0.3	5 ± 0.9	6 ± 0.6	5 ± 0.6
333.0	2 ± 1.2	5 ± 1.8	5 ± 1.2	7 ± 1.2	4 ± 1.5
1000.0	2 ± 0.3	5 ± 2.1	3 ± 0.9	4 ± 0.7	3 ± 1.9
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²			17 ± 4.4	27 ± 0.7	24 ± 7.6
Positive Control ³	308 ± 22.5	536 ± 47.1			

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Test Compound: Rhodanine
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Strain: TA1535

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	5 ± 0.0
10.0	6 ± 0.7
33.0	5 ± 0.6
100.0	5 ± 0.6
333.0	4 ± 0.0
1000.0	3 ± 0.3
Trial Summary	Negative
Positive Control ²	35 ± 3.8
Positive Control ³	

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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	3 ± 0.9	16 ± 8.2	6 ± 2.0	9 ± 1.5	8 ± 1.8
10.0	5 ± 0.0	7 ± 3.1	7 ± 0.6	10 ± 0.6	11 ± 1.9
33.0	5 ± 1.5	9 ± 2.3	6 ± 0.9	9 ± 0.9	7 ± 0.7
100.0	2 ± 0.9	6 ± 0.3	4 ± 0.9	8 ± 1.5	9 ± 0.0
333.0	2 ± 1.2	5 ± 0.3	6 ± 1.5	6 ± 1.3	7 ± 1.7
1000.0	4 ± 1.5	6 ± 2.4	5 ± 1.2	7 ± 0.9	6 ± 2.1
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²			30 ± 2.3	30 ± 0.3	52 ± 3.2
Positive Control ⁴	274 ± 40.0	268 ± 45.4			

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Strain: TA1537

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	8 ± 0.6
10.0	10 ± 0.7
33.0	8 ± 2.4
100.0	7 ± 1.2
333.0	7 ± 0.6
1000.0	6 ± 0.9
Trial Summary	Negative
Positive Control ²	54 ± 5.5
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	14 ± 1.3	14 ± 0.3	18 ± 1.8	21 ± 2.1	20 ± 2.3
10.0	19 ± 2.6	19 ± 4.0	23 ± 1.3	24 ± 2.0	26 ± 2.1
33.0	12 ± 0.3	14 ± 1.5	40 ± 11.3	27 ± 3.5	26 ± 3.6
100.0	12 ± 0.6	12 ± 0.0	23 ± 2.0	24 ± 1.8	23 ± 1.2
333.0	12 ± 0.6	12 ± 0.3	23 ± 3.8	22 ± 4.5	21 ± 3.2
1000.0	12 ± 1.5	10 ± 1.2	16 ± 3.3	15 ± 3.2	17 ± 1.2
Trial Summary	Negative	Negative	Equivocal	Negative	Negative
Positive Control ²			225 ± 25.6	244 ± 9.6	729 ± 36.1
Positive Control ⁵	320 ± 33.3	411 ± 32.2			

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Strain: TA98

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	25 ± 2.6
10.0	25 ± 4.6
33.0	30 ± 1.8
100.0	24 ± 2.9
333.0	20 ± 3.2
1000.0	18 ± 1.8
Trial Summary	Negative
Positive Control ²	650 ± 34.0
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: 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 ****