

Experiment Number: 965008

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: Sodium diethyldithiocarbamate

CAS Number: 148-18-5

Date Report Requested: 09/17/2018

Time Report Requested: 22:01:03

NTP Study Number:

965008

Study Result:

Negative

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CAS Number: 148-18-5

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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	77 ± 1.8	96 ± 1.5	120 ± 12.6	97 ± 4.2	124 ± 3.5
33.0		75 ± 2.6		82 ± 5.9	
100.0	83 ± 2.0	80 ± 1.5	144 ± 14.1	85 ± 3.2	114 ± 12.3
333.0	80 ± 6.2	83 ± 5.6	147 ± 23.5	81 ± 1.2	97 ± 4.9
1000.0	94 ± 2.6	65 ± 12.1	125 ± 4.3	97 ± 7.0	100 ± 7.6
3333.0	60 ± 3.2	0 ± 0.0	67 ± 6.7	1 ± 1.0	66 ± 14.5
10000.0	0 ± 0.0		2 ± 1.5		2 ± 0.9
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²			352 ± 31.1	2205 ± 35.2	1198 ± 217.9
Positive Control ³	347 ± 48.4	384 ± 20.4			

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Strain: TA100

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	104 ± 3.0
33.0	94 ± 4.7
100.0	83 ± 1.9
333.0	85 ± 12.5
1000.0	102 ± 5.8
3333.0	2 ± 1.5
10000.0	
Trial Summary	Negative
Positive Control ²	2285 ± 33.2
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	3 ± 0.3	8 ± 1.2	4 ± 0.7	13 ± 0.3	3 ± 0.9
100.0	2 ± 0.7	11 ± 1.2	1 ± 0.3	12 ± 3.8	4 ± 0.3
333.0	1 ± 0.3	8 ± 1.5	4 ± 1.2	15 ± 1.7	3 ± 0.3
1000.0	2 ± 0.3	7 ± 1.7	3 ± 0.9	10 ± 1.5	4 ± 1.2
3333.0	1 ± 0.7	5 ± 1.5	3 ± 0.6	7 ± 2.4	3 ± 1.2
10000.0	0 ± 0.0	0 ± 0.0	0 ± 0.0	0 ± 0.3	0 ± 0.0
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²			42 ± 13.4	37 ± 6.6	25 ± 9.8
Positive Control ³	152 ± 20.6	117 ± 8.4			

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Strain: TA1535

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	8 ± 1.3
100.0	15 ± 1.9
333.0	9 ± 1.8
1000.0	10 ± 2.7
3333.0	7 ± 0.9
10000.0	1 ± 0.9
Trial Summary	Negative
Positive Control ²	131 ± 29.6
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	16 ± 2.8	10 ± 1.3	18 ± 0.9	7 ± 1.2	10 ± 0.6
100.0	13 ± 1.8	1 ± 0.3	16 ± 3.1	6 ± 0.3	18 ± 2.0
333.0	15 ± 0.9	1 ± 0.6	18 ± 2.3	3 ± 2.8	11 ± 2.1
1000.0	15 ± 0.3	1 ± 0.6	16 ± 2.3	2 ± 0.7	15 ± 0.6
3333.0	5 ± 2.3	0 ± 0.3	13 ± 2.3	2 ± 0.3	13 ± 3.2
10000.0	5 ± 1.9	0 ± 0.0	9 ± 2.6	1 ± 0.3	14 ± 2.3
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²			210 ± 14.6	130 ± 15.5	416 ± 25.1
Positive Control ⁴	868 ± 161.1	28 ± 3.8			

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Strain: TA1537

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	3 ± 0.3
100.0	3 ± 0.6
333.0	3 ± 0.3
1000.0	2 ± 0.9
3333.0	1 ± 0.9
10000.0	1 ± 0.3
Trial Summary	Negative
Positive Control ²	89 ± 8.5
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	19 ± 4.7	11 ± 1.2	39 ± 3.1	16 ± 3.1	32 ± 2.2
100.0	20 ± 2.1	12 ± 1.9	35 ± 2.2	15 ± 2.6	29 ± 3.3
333.0	29 ± 3.0	7 ± 1.9	35 ± 8.9	18 ± 1.5	35 ± 5.8
1000.0	22 ± 2.6	8 ± 1.2	41 ± 7.3	14 ± 4.2	40 ± 4.3
3333.0	18 ± 1.5	7 ± 1.8	44 ± 3.6	10 ± 1.8	45 ± 3.4
10000.0	8 ± 2.3	0 ± 0.0	28 ± 9.3	8 ± 1.5	19 ± 1.2
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²			1189 ± 26.0	127 ± 13.3	1689 ± 34.5
Positive Control ⁵	262 ± 21.4	92 ± 10.2			

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Strain: TA98

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	12 ± 2.6
100.0	12 ± 2.0
333.0	17 ± 2.3
1000.0	15 ± 5.2
3333.0	11 ± 2.5
10000.0	10 ± 1.5
Trial Summary	Negative
Positive Control ²	883 ± 25.4
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 ****