

Experiment Number: A83397

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

G06: Ames Summary Data

Test Compound: **Stoddard solvent**

CAS Number: **8052-41-3**

Date Report Requested: **09/18/2018**

Time Report Requested: **03:42:58**

NTP Study Number:

A83397

Study Result:

Negative

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Mutagenicity**G06: Ames Summary Data**Test Compound: Stoddard solvent
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Date Report Requested: 09/18/2018

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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	107 ± 5.9	119 ± 5.5	116 ± 4.9	113 ± 6.9	117 ± 5.5
100.0	115 ± 0.3	119 ± 3.1	117 ± 7.2	124 ± 4.7	119 ± 4.4
333.0	107 ± 1.5	115 ± 7.2	117 ± 4.7	107 ± 2.2	123 ± 3.0
1000.0	105 ± 3.8	118 ± 5.4	125 ± 4.0	106 ± 4.6	129 ± 7.5
3333.0	105 ± 6.7	121 ± 5.4	109 ± 4.9	113 ± 4.4	111 ± 3.3
10000.0	99 ± 0.6	112 ± 4.2	112 ± 2.9	109 ± 6.3	109 ± 14.3
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					926 ± 38.5
Positive Control ³			528 ± 7.5		
Positive Control ⁴	837 ± 14.4	945 ± 32.2			
Positive Control ⁵				437 ± 10.6	

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Strain: TA100

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	106 ± 4.2
100.0	118 ± 5.8
333.0	112 ± 6.2
1000.0	100 ± 5.2
3333.0	103 ± 6.0
10000.0	108 ± 5.7
Trial Summary	Negative
Positive Control ²	
Positive Control ³	559 ± 21.4
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	9 ± 2.2	9 ± 0.6	8 ± 1.9	10 ± 1.7	11 ± 1.8
100.0	11 ± 1.0	8 ± 1.0	9 ± 2.9	13 ± 2.1	9 ± 1.5
333.0	7 ± 0.6	7 ± 0.6	8 ± 0.7	10 ± 1.2	9 ± 0.6
1000.0	8 ± 1.5	7 ± 1.5	7 ± 1.3	10 ± 2.1	10 ± 1.7
3333.0	7 ± 0.6	8 ± 1.7	9 ± 1.9	9 ± 1.0	9 ± 1.0
10000.0	8 ± 0.6	7 ± 0.6	8 ± 0.6	9 ± 3.4	8 ± 0.0
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ³					149 ± 6.7
Positive Control ⁴	877 ± 21.1	907 ± 46.4			
Positive Control ⁵			124 ± 9.5		
Positive Control ⁶				138 ± 10.1	

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Strain: TA1535

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	13 ± 2.3
100.0	13 ± 1.7
333.0	10 ± 0.9
1000.0	9 ± 0.3
3333.0	9 ± 1.5
10000.0	12 ± 1.2
Trial Summary	Negative
Positive Control ³	
Positive Control ⁴	
Positive Control ⁵	259 ± 19.7
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	152 ± 6.4	116 ± 7.3	164 ± 11.9	164 ± 13.5	155 ± 16.2
100.0	153 ± 8.0	112 ± 3.7	162 ± 16.9	176 ± 1.0	141 ± 8.1
333.0	157 ± 9.4	115 ± 6.2	163 ± 2.3	162 ± 17.2	148 ± 16.7
1000.0	174 ± 17.9	107 ± 4.0	178 ± 3.8	170 ± 17.8	157 ± 16.2
3333.0	171 ± 3.8	120 ± 7.7	159 ± 11.2	158 ± 13.0	123 ± 4.8
10000.0	112 ± 48.5	110 ± 7.5	170 ± 14.2	159 ± 5.6	158 ± 3.2
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					1008 ± 27.5
Positive Control ³			647 ± 20.7		
Positive Control ⁵				447 ± 15.7	
Positive Control ⁷	581 ± 18.0	583 ± 58.3			

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Strain: TA97

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	158 ± 10.3
100.0	148 ± 4.9
333.0	158 ± 10.4
1000.0	169 ± 2.9
3333.0	171 ± 21.4
10000.0	170 ± 4.5
Trial Summary	Negative
Positive Control ²	
Positive Control ³	508 ± 6.1
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	16 ± 1.8	11 ± 2.3	13 ± 1.9	24 ± 2.5	17 ± 2.1
100.0	18 ± 2.1	11 ± 0.7	14 ± 3.5	22 ± 2.4	14 ± 2.9
333.0	20 ± 0.7	11 ± 0.9	16 ± 2.9	25 ± 1.2	18 ± 3.2
1000.0	17 ± 3.6	13 ± 0.7	15 ± 0.7	22 ± 3.4	19 ± 3.3
3333.0	18 ± 1.8	9 ± 0.3	16 ± 0.9	22 ± 3.0	15 ± 2.5
10000.0	11 ± 1.9	6 ± 0.9	14 ± 1.3	27 ± 1.0	19 ± 0.9
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					760 ± 26.9
Positive Control ³			438 ± 25.5		
Positive Control ⁸	340 ± 9.2	387 ± 10.0			
Positive Control ⁵				514 ± 6.7	

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Strain: TA98

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	22 ± 2.1
100.0	20 ± 1.2
333.0	23 ± 3.0
1000.0	26 ± 3.7
3333.0	17 ± 1.5
10000.0	13 ± 1.9
Trial Summary	Negative
Positive Control ²	
Positive Control ³	534 ± 13.2
Positive Control 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: 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

**** END OF REPORT ****