

Experiment Number: 082325

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: Carbon tetrachloride

CAS Number: 56-23-5

Date Report Requested: 09/11/2018

Time Report Requested: 01:17:48

NTP Study Number:

082325

Study Result:

Negative

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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	133 ± 9.9	135 ± 9.5	117 ± 9.0	155 ± 8.1	131 ± 4.1
33.0	132 ± 11.7	159 ± 17.9	127 ± 13.8	164 ± 7.1	135 ± 5.7
100.0	108 ± 15.2	133 ± 12.3	111 ± 3.1	156 ± 2.2	134 ± 5.0
333.0	102 ± 9.0	121 ± 11.4	122 ± 3.3	161 ± 18.3	146 ± 3.5
1000.0	98 ± 6.4	122 ± 8.1	124 ± 8.1	140 ± 23.6	118 ± 5.8
1666.0		112 ± 12.3		130 ± 21.7	
3333.0	102 ± 18.4 ^s		88 ± 14.1 ^s		109 ± 8.4 ^s
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					1263 ± 17.1
Positive Control ³			1178 ± 36.1	354 ± 14.1	
Positive Control ⁴	550 ± 8.9	322 ± 10.6			

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Strain: TA100

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	130 ± 7.8
33.0	152 ± 7.6
100.0	158 ± 3.8
333.0	146 ± 20.5
1000.0	146 ± 4.3
1666.0	118 ± 6.5
3333.0	
Trial Summary	Negative
Positive Control ²	
Positive Control ³	744 ± 34.5
Positive Control ⁴	

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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	21 ± 2.0	17 ± 0.3	12 ± 0.3	15 ± 3.5	10 ± 1.2
33.0	15 ± 0.6	18 ± 2.3	9 ± 2.3	14 ± 2.0	11 ± 1.7
100.0	23 ± 3.5	17 ± 3.1	11 ± 1.0	11 ± 2.0	11 ± 1.5
333.0	24 ± 5.8	17 ± 2.0	10 ± 2.7	12 ± 0.9	9 ± 1.3
1000.0	20 ± 2.6	18 ± 2.1	8 ± 0.7	10 ± 0.7	10 ± 2.3
1666.0		16 ± 2.7		7 ± 0.7	
3333.0	7 ± 1.2 ^s		6 ± 1.7 ^s		8 ± 1.2 ^s
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ⁴	461 ± 17.4	211 ± 2.5			
Positive Control ³					443 ± 26.7
Positive Control ⁵			253 ± 20.4	74 ± 0.6	

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Strain: TA1535

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	8 ± 3.2
33.0	7 ± 0.9
100.0	4 ± 2.0
333.0	9 ± 1.8
1000.0	6 ± 1.5
1666.0	8 ± 1.5
3333.0	
Trial Summary	Negative
Positive Control ⁴	
Positive Control ³	
Positive Control ⁵	341 ± 11.2

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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	128 ± 13.5	177 ± 12.3	145 ± 3.5	185 ± 5.5	146 ± 4.3
33.0	124 ± 8.0	183 ± 3.8	182 ± 2.9	192 ± 14.7	170 ± 10.3
100.0	122 ± 3.0	184 ± 5.7	159 ± 8.9	193 ± 20.9	176 ± 3.6
333.0	125 ± 0.7	177 ± 7.4	167 ± 5.8	196 ± 13.0	166 ± 7.7
1000.0	105 ± 4.7	155 ± 23.7	127 ± 9.2	180 ± 7.9	127 ± 6.1
1666.0		152 ± 21.7		139 ± 21.5	
3333.0	35 ± 10.3 ^s		79 ± 8.4 ^s		69 ± 13.6 ^s
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					629 ± 11.3
Positive Control ³			499 ± 7.6		
Positive Control ⁵				488 ± 6.2	
Positive Control ⁶		378 ± 35.4			
Positive Control ⁷	761 ± 33.5				

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Strain: TA97

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	185 ± 19.9
33.0	204 ± 15.8
100.0	199 ± 8.5
333.0	215 ± 10.8
1000.0	183 ± 6.0
1666.0	158 ± 20.7
3333.0	
Trial Summary	Negative
Positive Control ²	
Positive Control ³	445 ± 53.0
Positive Control ⁵	
Positive Control ⁶	
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	24 ± 1.5	19 ± 4.0	36 ± 2.0	30 ± 4.7	35 ± 2.9
33.0	19 ± 1.9	21 ± 4.9	25 ± 2.5	29 ± 2.8	39 ± 0.7
100.0	24 ± 3.7	26 ± 2.6	28 ± 3.8	30 ± 2.6	35 ± 6.3
333.0	22 ± 2.8	20 ± 1.0	28 ± 1.3	28 ± 1.0	39 ± 3.1
1000.0	16 ± 2.3	16 ± 4.1	29 ± 2.0	22 ± 6.2	41 ± 2.3
1666.0		16 ± 0.6		19 ± 2.3	
3333.0	12 ± 3.2 ^s		19 ± 3.9 ^s		29 ± 2.0 ^s
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					781 ± 31.5
Positive Control ³			756 ± 24.3	100 ± 2.0	
Positive Control ⁸	1106 ± 40.6	898 ± 40.7			

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Strain: TA98

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	26 ± 3.2
33.0	34 ± 4.4
100.0	41 ± 1.2
333.0	38 ± 1.5
1000.0	28 ± 3.2
1666.0	31 ± 3.2
3333.0	
Trial Summary	Negative
Positive Control ²	
Positive Control ³	396 ± 7.1
Positive Control ⁸	

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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: 0.5 ug/Plate 2-Aminoanthracene

3: 1.0 ug/Plate 2-Aminoanthracene

4: 1.0 ug/Plate Sodium Azide

5: 2.5 ug/Plate 2-Aminoanthracene

6: 25.0 ug/Plate 9-Aminoacridine

7: 50.0 ug/Plate 9-Aminoacridine

8: 2.5 ug/Plate 4-Nitro-O-Phenylenediamine

s: Slight Toxicity

**** END OF REPORT ****