

Experiment Number: 531235

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

G06: Ames Summary Data

Test Compound: **C.I. Solvent red 5**

CAS Number: **3025-77-2**

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

Time Report Requested: **23:37:52**

NTP Study Number:

531235

Study Result:

Positive

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Strain: TA100

Dose (ug/Plate)	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9	With 10% Hamster S9
Vehicle Control ¹	106 ± 6.4	134 ± 9.4	129 ± 3.5	115 ± 10.3	117 ± 13.4
0.1			107 ± 3.1		108 ± 5.9
0.3		113 ± 8.9	127 ± 13.9	113 ± 8.5	133 ± 4.3
1.0		142 ± 11.9	157 ± 4.3	151 ± 11.9	142 ± 12.8
3.0		214 ± 4.0	227 ± 10.2	358 ± 18.7	311 ± 65.2
10.0		509 ± 35.6	674 ± 90.4	761 ± 40.5	641 ± 20.3
33.0		1101 ± 69.0		1152 ± 31.7	
100.0	117 ± 9.1				
333.0	113 ± 2.6				
1000.0	139 ± 7.1				
3333.0	146 ± 5.4				
10000.0	141 ± 8.6				
Trial Summary	Equivocal	Positive	Positive	Positive	Positive
Positive Control ²		414 ± 22.7	1380 ± 84.1	713 ± 12.3	2127 ± 115.0
Positive Control ³	235 ± 32.0				

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Strain: TA1535

Dose (ug/Plate)	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9	With 10% Hamster S9
Vehicle Control ¹	37 ± 3.5	7 ± 2.3	9 ± 1.3	10 ± 2.0	10 ± 0.7
0.3		13 ± 3.2		9 ± 3.2	
1.0		7 ± 2.3		10 ± 2.7	
3.0		9 ± 1.2		9 ± 2.6	
10.0		8 ± 2.0		12 ± 3.5	
33.0		11 ± 2.9		11 ± 1.2	
100.0	27 ± 0.6		11 ± 0.6		8 ± 2.3
333.0	22 ± 1.5		13 ± 1.5		10 ± 1.9
1000.0	18 ± 0.3		11 ± 3.8		11 ± 1.5
3333.0	17 ± 3.2		8 ± 1.5		11 ± 1.0
10000.0	18 ± 3.4		7 ± 0.6		11 ± 1.3
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ³	259 ± 25.3				
Positive Control ⁴		140 ± 15.0	480 ± 24.6	346 ± 24.5	635 ± 8.0

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Strain: TA97

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	135 ± 12.3	164 ± 5.8	180 ± 17.8	213 ± 7.6	169 ± 16.4
0.1				201 ± 18.7	
0.3			237 ± 25.7	244 ± 10.0	240 ± 24.3
1.0			272 ± 18.0	263 ± 17.7	275 ± 19.0
3.0			364 ± 5.2	379 ± 25.5	546 ± 74.4
10.0			991 ± 32.4	1073 ± 42.2	1040 ± 108.1
33.0		244 ± 8.5	939 ± 160.8		411 ± 9.4
100.0	238 ± 12.6	300 ± 6.0			
333.0	254 ± 8.4	272 ± 14.7			
1000.0	302 ± 8.8	305 ± 2.7			
3333.0	343 ± 12.1	376 ± 18.0			
10000.0	378 ± 35.5				
Trial Summary	Positive	Positive	Positive	Positive	Positive
Positive Control ⁴			506 ± 60.0	1767 ± 80.4	634 ± 37.8
Positive Control ⁵	339 ± 34.8	707 ± 21.5			

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Strain: TA97

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	184 ± 6.4
0.1	221 ± 11.7
0.3	159 ± 68.9
1.0	253 ± 7.1
3.0	400 ± 4.4
10.0	964 ± 78.4
33.0	
100.0	
333.0	
1000.0	
3333.0	
10000.0	
Trial Summary	Positive
Positive Control ⁴	1121 ± 53.1
Positive Control ⁵	

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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	48 ± 4.1	18 ± 3.2	30 ± 2.2	30 ± 3.8	31 ± 3.1
0.1				39 ± 3.2	
0.3			103 ± 13.3	96 ± 22.2	79 ± 5.1
1.0			219 ± 9.3	153 ± 5.7	222 ± 24.2
3.0			429 ± 16.8	421 ± 28.0	496 ± 28.3
10.0			1035 ± 83.0	1304 ± 75.0	1325 ± 48.2
33.0		200 ± 5.5	1386 ± 34.3		1225 ± 69.8
100.0	216 ± 17.6	243 ± 5.3			
333.0	216 ± 16.6	273 ± 5.5			
1000.0	280 ± 17.2	366 ± 13.6			
3333.0	457 ± 111.7	408 ± 28.3			
10000.0	540 ± 34.6				
Trial Summary	Positive	Positive	Positive	Positive	Positive
Positive Control ²			183 ± 6.4	830 ± 110.3	339 ± 22.4
Positive Control ⁶	380 ± 20.2	717 ± 33.0			

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Strain: TA98

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	31 ± 1.0
0.1	42 ± 4.7
0.3	80 ± 10.0
1.0	167 ± 7.4
3.0	447 ± 18.9
10.0	1177 ± 55.9
33.0	
100.0	
333.0	
1000.0	
3333.0	
10000.0	
Trial Summary	Positive
Positive Control ²	1207 ± 133.9
Positive Control ⁶	

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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: 1.0 ug/Plate Sodium Azide

4: 2.5 ug/Plate 2-Aminoanthracene

5: 50.0 ug/Plate 9-Aminoacridine

6: 5.0 ug/Plate 4-Nitro-O-Phenylenediamine

**** END OF REPORT ****