

Experiment Number: 584000

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: C.I. Acid red 14

CAS Number: 3567-69-9

Date Report Requested: 09/14/2018

Time Report Requested: 12:12:16

NTP Study Number:

584000

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	129 ± 4.2	126 ± 2.7	119 ± 11.8	114 ± 7.2	124 ± 12.2
100.0	127 ± 3.5	130 ± 5.5	119 ± 11.3	118 ± 13.5	131 ± 1.9
333.0	112 ± 9.4	149 ± 8.4	124 ± 8.4	133 ± 8.5	151 ± 5.8
1000.0	106 ± 4.2	151 ± 7.0	133 ± 8.5	121 ± 6.7	158 ± 4.5
3333.0	126 ± 2.5	130 ± 7.6	53 ± 11.5	58 ± 10.0	138 ± 6.8
5000.0	100 ± 6.5	144 ± 13.5	42 ± 6.4	27 ± 1.8	131 ± 5.5 ^s
Trial Summary	Negative	Equivocal	Negative	Negative	Negative
Positive Control ²					2270 ± 60.3
Positive Control ³			2442 ± 111.0	601 ± 22.9	
Positive Control ⁴	1319 ± 58.6	1270 ± 57.1			

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Strain: TA100

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	129 ± 3.9
100.0	140 ± 6.5
333.0	142 ± 6.4
1000.0	148 ± 6.4
3333.0	134 ± 10.1
5000.0	111 ± 5.2 ^s
Trial Summary	Negative
Positive Control ²	536 ± 9.3
Positive Control ³	
Positive Control ⁴	

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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	18 ± 1.2	35 ± 0.9	6 ± 1.2	20 ± 4.7	9 ± 0.3
100.0	25 ± 2.0	30 ± 2.1	11 ± 1.2	16 ± 1.5	6 ± 1.7
333.0	19 ± 1.2	34 ± 4.3	9 ± 1.2	7 ± 2.1	11 ± 1.9
1000.0	22 ± 2.2	31 ± 3.3	6 ± 0.3	7 ± 0.6	6 ± 0.7
3333.0	18 ± 0.3	30 ± 3.7	3 ± 0.7	4 ± 1.5	6 ± 1.2
5000.0	20 ± 1.2	30 ± 1.3	5 ± 0.9	3 ± 0.9	9 ± 1.5
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					279 ± 14.0
Positive Control ³			268 ± 2.3	101 ± 1.2	
Positive Control ⁴	804 ± 14.7	920 ± 11.5			

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Strain: TA1535

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	10 ± 1.0
100.0	11 ± 2.2
333.0	10 ± 0.6
1000.0	9 ± 0.9
3333.0	7 ± 1.5
5000.0	9 ± 1.5
Trial Summary	Negative
Positive Control ²	98 ± 10.5
Positive Control ³	
Positive Control ⁴	

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Mutagenicity**G06: Ames Summary Data**

Test Compound: C.I. Acid red 14

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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	6 ± 2.2	8 ± 1.0	6 ± 0.0	9 ± 1.9	6 ± 0.7
100.0	7 ± 2.3	7 ± 0.3	9 ± 1.3	7 ± 1.2	5 ± 1.2
333.0	5 ± 0.9	9 ± 1.2	6 ± 1.5	8 ± 1.5	7 ± 1.5
1000.0	6 ± 1.0	9 ± 0.9	6 ± 1.2	7 ± 1.5	7 ± 1.5
3333.0	5 ± 1.7	6 ± 2.0	5 ± 1.2	2 ± 0.3	8 ± 1.2
5000.0	6 ± 2.0	9 ± 2.1	3 ± 1.2	1 ± 0.9	6 ± 0.3
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					328 ± 22.1
Positive Control ³			357 ± 13.3	44 ± 4.3	
Positive Control ⁵	1880 ± 64.3	748 ± 57.6			

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Strain: TA1537

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	8 ± 0.7
100.0	6 ± 0.3
333.0	10 ± 0.9
1000.0	12 ± 2.6
3333.0	8 ± 1.3
5000.0	9 ± 3.8
Trial Summary	Negative
Positive Control ²	42 ± 1.3
Positive Control ³	
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	18 ± 2.9	18 ± 2.3	35 ± 1.5	31 ± 1.2	24 ± 2.4
100.0	17 ± 1.2	20 ± 3.5	24 ± 2.5	24 ± 1.2	28 ± 3.7
333.0	16 ± 1.3	19 ± 1.9	22 ± 3.5	28 ± 1.2	31 ± 2.7
1000.0	15 ± 2.3	13 ± 1.7	22 ± 2.6	21 ± 1.8	33 ± 4.7
3333.0	12 ± 1.2	17 ± 2.5	22 ± 5.5	11 ± 1.2	26 ± 1.2
5000.0	9 ± 2.6	17 ± 4.0	17 ± 1.0	12 ± 3.7	16 ± 1.2
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					2236 ± 54.0
Positive Control ³			2129 ± 75.4	507 ± 15.7	
Positive Control ⁶	1331 ± 73.6	1262 ± 52.8			

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Strain: TA98

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	33 ± 3.5
100.0	37 ± 2.0
333.0	34 ± 2.9
1000.0	34 ± 2.1
3333.0	22 ± 1.0
5000.0	22 ± 2.7
Trial Summary	Negative
Positive Control ²	525 ± 14.4
Positive Control ³	
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: Water

2: 0.75 ug/Plate 2-Aminoanthracene

3: 1.5 ug/Plate 2-Aminoanthracene

4: 2.5 ug/Plate Sodium Azide

5: 80.0 ug/Plate 9-Aminoacridine

6: 12.0 ug/Plate 4-Nitro-O-Phenylenediamine

s: Slight Toxicity

**** END OF REPORT ****