

Experiment Number: 522424

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

G06: Ames Summary Data

Test Compound: **C.I. Acid orange 10**

CAS Number: 1936-15-8

Date Report Requested: 09/12/2018

Time Report Requested: 17:50:26

NTP Study Number:

522424

Study Result:

Equivocal

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Test Compound: C.I. Acid orange 10

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Strain: TA100

Dose (ug/Plate)	With 10% Rat S9	With 10% Rat S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	125 ± 2.4	98 ± 9.9	119 ± 15.3		110 ± 8.4
Vehicle Control ²				115 ± 5.4	
10.0			118 ± 7.0		
33.0			94 ± 6.7		
100.0	133 ± 4.1	95 ± 2.2	115 ± 1.2		154 ± 6.0
125.0				123 ± 6.0	
250.0				140 ± 1.5	
333.0	141 ± 5.5	100 ± 12.6	105 ± 5.4		131 ± 6.9
500.0				157 ± 5.0	
1000.0	156 ± 3.2 ^x	108 ± 5.5 ^x	131 ± 3.4	166 ± 13.5	136 ± 3.8 ^x
2000.0				219 ± 18.5	
3333.0	116 ± 10.9 ^x	113 ± 2.7 ^x			131 ± 6.9 ^x
10000.0	110 ± 6.2 ^x	111 ± 2.5 ^x			147 ± 6.6 ^x
Trial Summary	Negative	Negative	Negative	Weakly Positive	Negative
Positive Control ³		351 ± 9.9			
Positive Control ⁴	183 ± 27.8		252 ± 1.9		199 ± 17.4
Positive Control ⁵				276 ± 6.4	

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Strain: TA100

Dose (ug/Plate)	With 10% Hamster S9	With 10% Hamster S9	With 10% Hamster S9
Vehicle Control ¹	92 ± 2.7	113 ± 5.0	
Vehicle Control ²			119 ± 0.9
10.0		117 ± 3.8	
33.0		119 ± 6.4	
100.0	70 ± 2.2	119 ± 9.6	
125.0			127 ± 3.1
250.0			154 ± 1.2
333.0	82 ± 5.2	123 ± 3.5	
500.0			155 ± 1.5
1000.0	78 ± 3.8 ^x	118 ± 10.2	184 ± 4.5
2000.0			203 ± 2.7
3333.0	75 ± 11.3 ^x		
10000.0	73 ± 18.5 ^x		
Trial Summary	Negative	Negative	Weakly Positive
Positive Control ³	902 ± 87.0		
Positive Control ⁴		230 ± 30.5	
Positive Control ⁵			199 ± 3.8

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Strain: TA98

Dose (ug/Plate)	With 10% Rat S9	With 10% Rat S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	29 ± 3.1	26 ± 2.0	25 ± 2.6		35 ± 2.3
Vehicle Control ²				24 ± 6.1	
10.0			23 ± 3.5		
33.0			28 ± 1.9		
100.0	26 ± 4.5	29 ± 3.8	25 ± 2.1		37 ± 0.3
125.0				54 ± 5.6	
250.0				43 ± 2.9	
333.0	33 ± 2.0	31 ± 1.9	20 ± 1.5		30 ± 0.6
500.0				53 ± 5.8	
1000.0	24 ± 2.1 ^x	30 ± 3.1 ^x	19 ± 0.9	71 ± 3.0	33 ± 5.0 ^x
2000.0				190 ± 17.7	
3333.0	25 ± 0.9 ^x	31 ± 7.0 ^x			32 ± 6.2 ^x
10000.0	28 ± 0.9 ^x	21 ± 0.6 ^x			34 ± 2.0 ^x
Trial Summary	Negative	Negative	Negative	Positive	Negative
Positive Control ³	340 ± 5.6				
Positive Control ⁴		128 ± 8.3	177 ± 10.1		113 ± 12.0
Positive Control ⁵				241 ± 32.3	

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Strain: TA98

Dose (ug/Plate)	With 10% Hamster S9	With 10% Hamster S9	With 10% Hamster S9
Vehicle Control ¹	31 ± 2.9	25 ± 1.3	
Vehicle Control ²			32 ± 1.5
10.0		25 ± 1.2	
33.0		23 ± 4.0	
100.0	31 ± 2.2	26 ± 5.2	
125.0			39 ± 6.5
250.0			46 ± 3.0
333.0	22 ± 2.6	23 ± 2.8	
500.0			49 ± 3.8
1000.0	23 ± 1.5 ^x	25 ± 1.2	67 ± 4.8
2000.0			168 ± 44.3
3333.0	26 ± 4.5 ^x		
10000.0	20 ± 4.4 ^x		
Trial Summary	Negative	Negative	Positive
Positive Control ³	853 ± 20.3		
Positive Control ⁴		225 ± 7.5	
Positive Control ⁵			113 ± 12.0

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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: Vehicle Control: Dimethyl Sulfoxide

3: 0.5 ug/Plate 2-Aminoanthracene

4: 240.0 ug/Plate Trypan Blue

5: 250.0 ug/Plate Trypan Blue

x: Slight Toxicity and Precipitate

**** END OF REPORT ****