

Experiment Number: 781963

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: C.I. Direct yellow 11

CAS Number: 1325-37-7

Date Report Requested: 09/18/2018

Time Report Requested: 01:35:36

NTP Study Number:

781963

Study Result:

Positive

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Strain: TA100

Dose (ug/Plate)	With 10% Rat S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9	With 10% Hamster S9
Vehicle Control ¹			115 ± 3.0		
Vehicle Control ²	114 ± 13.3	118 ± 3.1		107 ± 1.2	98 ± 3.7
50.0	129 ± 4.3	108 ± 0.7		104 ± 0.0	104 ± 10.3
125.0			120 ± 3.5		
166.0	105 ± 3.4	98 ± 0.7		117 ± 10.3	118 ± 2.5
250.0			123 ± 5.7		
500.0	121 ± 13.3	103 ± 10.6	146 ± 8.8	133 ± 5.2	99 ± 2.1
1000.0			144 ± 3.5		
1666.0	113 ± 5.6 ^P	104 ± 5.8 ^P		130 ± 4.0 ^P	96 ± 4.0 ^P
2000.0			180 ± 1.9		
5000.0	116 ± 6.7 ^P	111 ± 9.4 ^P		111 ± 7.5 ^P	106 ± 2.9 ^P
Trial Summary	Negative	Negative	Weakly Positive	Negative	Negative
Positive Control ³		458 ± 29.2			1192 ± 49.1
Positive Control ⁴	267 ± 22.4			232 ± 19.4	
Positive Control ⁵			333 ± 12.2		

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Strain: TA100

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	118 ± 2.1
Vehicle Control ²	
50.0	
125.0	106 ± 8.1
166.0	
250.0	112 ± 5.5
500.0	133 ± 8.8
1000.0	159 ± 5.0
1666.0	
2000.0	182 ± 8.7
5000.0	
Trial Summary	Weakly Positive
Positive Control ³	
Positive Control ⁴	
Positive Control ⁵	186 ± 0.5

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Strain: TA98

Dose (ug/Plate)	With 10% Rat S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9	With 10% Hamster S9
Vehicle Control ¹			37 ± 0.0		
Vehicle Control ²	18 ± 2.3	22 ± 5.2		22 ± 3.2	26 ± 2.0
50.0	21 ± 1.2	21 ± 3.2		21 ± 2.5	18 ± 2.2
125.0			43 ± 2.8		
166.0	23 ± 2.4	27 ± 1.7		26 ± 0.3	24 ± 2.4
250.0			45 ± 0.9		
500.0	18 ± 1.5	27 ± 4.6	46 ± 0.0	29 ± 1.9	21 ± 1.7
1000.0			53 ± 4.9		
1666.0	18 ± 0.9 ^p	16 ± 1.5 ^p		19 ± 3.5 ^p	17 ± 2.7 ^p
2000.0			99 ± 2.6		
5000.0	11 ± 1.2 ^p	19 ± 1.5 ^p		19 ± 0.3 ^p	17 ± 0.9 ^p
Trial Summary	Negative	Negative	Positive	Negative	Negative
Positive Control ³	381 ± 11.3				835 ± 54.4
Positive Control ⁴		164 ± 9.9		121 ± 15.3	
Positive Control ⁵			308 ± 54.0		

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Mutagenicity

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Strain: TA98

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	34 ± 5.4
Vehicle Control ²	
50.0	
125.0	41 ± 4.9
166.0	
250.0	37 ± 3.0
500.0	37 ± 5.5
1000.0	56 ± 2.7
1666.0	
2000.0	99 ± 1.0
5000.0	
Trial Summary	Positive
Positive Control ³	
Positive Control ⁴	
Positive Control ⁵	97 ± 1.8

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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: Vehicle Control: Water

3: 0.5 ug/Plate 2-Aminoanthracene

4: 240.0 ug/Plate Trypan Blue

5: 250.0 ug/Plate Trypan Blue

p: Precipitate

**** END OF REPORT ****