

Experiment Number: 681961

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: C.I. Acid yellow 73 (fluorescein sodium)

CAS Number: 518-47-8

Date Report Requested: 09/12/2018

Time Report Requested: 07:02:01

NTP Study Number:

681961

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	88 ± 1.0	112 ± 6.9	127 ± 8.2	119 ± 1.2	132 ± 0.9
100.0	60 ± 2.1	124 ± 7.5	137 ± 8.4	135 ± 18.2	114 ± 12.8
333.0	78 ± 4.0	106 ± 10.7	132 ± 12.2	119 ± 0.3	128 ± 9.0
1000.0	79 ± 1.5	129 ± 10.9	132 ± 2.6	135 ± 10.8	143 ± 22.8
3333.0	72 ± 7.3	107 ± 5.9	154 ± 16.8	143 ± 5.2	135 ± 5.8
10000.0	72 ± 5.3	106 ± 11.7	142 ± 9.8	136 ± 10.9	139 ± 4.2
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²			1256 ± 18.0	1502 ± 232.9	2474 ± 5.8
Positive Control ³	788 ± 89.6	944 ± 48.4			

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Strain: TA100

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	124 ± 8.6
100.0	131 ± 10.0
333.0	133 ± 0.9
1000.0	130 ± 4.6
3333.0	164 ± 11.8
10000.0	130 ± 8.0
Trial Summary	Equivocal
Positive Control ²	2025 ± 84.7
Positive Control ³	

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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	3 ± 0.6	16 ± 1.2	7 ± 0.3	13 ± 2.5	4 ± 0.6
10.0		19 ± 0.7			
33.0		17 ± 2.9			
100.0	2 ± 0.3	14 ± 1.0	5 ± 1.2	15 ± 1.0	4 ± 1.0
333.0	1 ± 0.6	14 ± 1.2	6 ± 1.0	19 ± 0.6	4 ± 0.6
1000.0	1 ± 0.5	13 ± 1.3	4 ± 0.6	12 ± 0.9	1 ± 0.6
3333.0	Toxic		4 ± 1.8	14 ± 0.7	4 ± 0.3
10000.0	Toxic		4 ± 1.2	17 ± 1.9	3 ± 0.3
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²			26 ± 4.5	174 ± 10.2	76 ± 2.5
Positive Control ³	345 ± 38.7	776 ± 24.9			

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Strain: TA1535

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	15 ± 2.6
10.0	
33.0	
100.0	17 ± 1.2
333.0	15 ± 1.5
1000.0	16 ± 0.7
3333.0	15 ± 0.7
10000.0	17 ± 0.6
Trial Summary	Negative
Positive Control ²	227 ± 12.5
Positive Control ³	

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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	5 ± 1.2	3 ± 0.7	4 ± 1.3	11 ± 1.5	6 ± 1.2
33.0		3 ± 0.7			
100.0	3 ± 0.3	4 ± 1.0	3 ± 0.6	6 ± 1.9	6 ± 1.2
333.0	3 ± 1.8	4 ± 0.6	4 ± 0.9	9 ± 1.2	3 ± 1.5
1000.0	3 ± 1.5	2 ± 0.7	4 ± 2.2	9 ± 0.9	5 ± 1.2
3333.0	2 ± 1.0	4 ± 0.3	3 ± 0.3	2 ± 0.6	3 ± 1.5
10000.0	Toxic		3 ± 0.7	3 ± 0.6	6 ± 1.9
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²			33 ± 4.0	73 ± 11.8	77 ± 3.4
Positive Control ⁴	155 ± 32.4	247 ± 99.6			

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Strain: TA1537

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	8 ± 0.9
33.0	
100.0	5 ± 1.3
333.0	10 ± 2.0
1000.0	5 ± 0.9
3333.0	5 ± 0.9
10000.0	2 ± 0.6 ^p
Trial Summary	Negative
Positive Control ²	38 ± 3.0
Positive Control ⁴	

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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	27 ± 2.2	13 ± 2.5	31 ± 1.9	20 ± 0.3	31 ± 2.7
33.0		14 ± 2.7		20 ± 2.0	
100.0	21 ± 2.6	10 ± 2.0	25 ± 2.8	20 ± 2.6	25 ± 3.0
333.0	22 ± 5.5	9 ± 1.2	25 ± 4.9	13 ± 2.2	32 ± 5.8
1000.0	18 ± 1.7	8 ± 0.7	25 ± 4.0	13 ± 2.6	25 ± 4.3
3333.0	18 ± 1.9	15 ± 2.8 ^p	21 ± 3.2	10 ± 0.3	23 ± 2.7
10000.0	Toxic		Toxic		Toxic
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²			382 ± 32.7	836 ± 161.8	981 ± 127.1
Positive Control ⁵	245 ± 53.4	234 ± 36.7			

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Strain: TA98

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	18 ± 3.8
33.0	24 ± 4.2
100.0	13 ± 1.9
333.0	21 ± 4.0
1000.0	13 ± 2.7
3333.0	12 ± 1.5
10000.0	
Trial Summary	Negative
Positive Control ²	1442 ± 86.7
Positive Control ⁵	

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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: 1.0 ug/Plate 2-Aminoanthracene

3: 3.3 ug/Plate Sodium Azide

4: 33.0 ug/Plate 9-Aminoacridine

5: 3.3 ug/Plate 4-Nitro-O-Phenylenediamine

p: Precipitate

**** END OF REPORT ****