

Experiment Number: 191506

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: C.I. Direct blue 15

CAS Number: 2429-74-5

Date Report Requested: 09/14/2018

Time Report Requested: 01:55:51

NTP Study Number:

191506

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	97 ± 2.3	106 ± 4.7	108 ± 15.1	136 ± 8.1	101 ± 5.9
100.0	83 ± 3.7	90 ± 4.0	109 ± 13.7	115 ± 4.3	122 ± 19.7
333.0	92 ± 7.8	103 ± 1.8	139 ± 11.7	120 ± 2.8	133 ± 9.8
1000.0	97 ± 2.9	100 ± 2.1	126 ± 6.0	135 ± 5.0	120 ± 14.4
3333.0	83 ± 7.2	88 ± 1.9	131 ± 7.2	118 ± 2.7	156 ± 19.1
10000.0	74 ± 7.2	77 ± 3.2	94 ± 4.2	106 ± 4.1	74 ± 13.9
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²			1642 ± 41.2	1230 ± 27.7	1678 ± 99.2
Positive Control ³	439 ± 41.8	394 ± 78.3			

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Strain: TA100

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	144 ± 3.6
100.0	116 ± 6.1
333.0	117 ± 6.3
1000.0	138 ± 8.4
3333.0	126 ± 9.8
10000.0	111 ± 9.8
Trial Summary	Negative
Positive Control ²	2104 ± 81.4
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 ± 0.9	3 ± 0.3	9 ± 1.8	6 ± 0.9	4 ± 0.6
100.0	1 ± 0.3	2 ± 0.9	1 ± 0.3	6 ± 1.5	3 ± 0.6
333.0	4 ± 1.2	3 ± 0.6	5 ± 0.6	4 ± 0.9	5 ± 1.2
1000.0	1 ± 0.6	3 ± 0.9	3 ± 0.7	5 ± 1.2	2 ± 0.7
3333.0	2 ± 0.9	1 ± 0.3	2 ± 0.7	4 ± 1.2	4 ± 1.5
10000.0	2 ± 0.6	1 ± 0.6	3 ± 1.7	3 ± 0.3	5 ± 0.6
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²			102 ± 16.2	42 ± 4.3	197 ± 38.9
Positive Control ³	126 ± 11.1	310 ± 33.8			

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Strain: TA1535

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	14 ± 1.9
100.0	10 ± 1.2
333.0	7 ± 0.3
1000.0	6 ± 1.7
3333.0	7 ± 0.9
10000.0	6 ± 1.5
Trial Summary	Negative
Positive Control ²	41 ± 3.8
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	8 ± 1.2	4 ± 0.3	6 ± 1.5	6 ± 1.2	4 ± 1.2
100.0	5 ± 2.8	4 ± 0.9	7 ± 2.1	6 ± 1.0	12 ± 2.2
333.0	4 ± 1.5	4 ± 1.2	7 ± 2.2	3 ± 1.2	6 ± 1.2
1000.0	3 ± 0.9	3 ± 1.0	6 ± 1.8	4 ± 0.3	7 ± 1.5
3333.0	5 ± 2.2	4 ± 0.3	4 ± 1.3	2 ± 0.3	9 ± 2.6
10000.0	2 ± 1.2	1 ± 0.6	1 ± 0.0	5 ± 1.2	3 ± 0.9
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²			204 ± 29.4	72 ± 8.7	120 ± 8.0
Positive Control ⁴	116 ± 13.4	72 ± 38.0			

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Strain: TA1537

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	6 ± 0.9
100.0	8 ± 0.3
333.0	7 ± 1.5
1000.0	3 ± 0.0
3333.0	4 ± 0.3
10000.0	4 ± 1.2
Trial Summary	Negative
Positive Control ²	163 ± 27.8
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	20 ± 0.6	12 ± 2.2	29 ± 0.9	14 ± 3.4	22 ± 3.8
100.0	16 ± 2.0	11 ± 1.5	32 ± 2.7	12 ± 2.0	20 ± 4.4
333.0	14 ± 2.9	11 ± 1.3	38 ± 5.5	15 ± 1.2	30 ± 2.3
1000.0	15 ± 1.8	11 ± 0.9	28 ± 8.3	19 ± 0.9	26 ± 2.9
3333.0	14 ± 2.3	14 ± 2.5	36 ± 3.8	15 ± 0.6	36 ± 2.4
10000.0	13 ± 2.5	15 ± 0.9	34 ± 2.3	16 ± 1.5	17 ± 2.4
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²			942 ± 83.8	561 ± 12.0	2076 ± 87.7
Positive Control ⁵	170 ± 15.4	150 ± 24.2			

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Strain: TA98

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	17 ± 3.2
100.0	16 ± 0.9
333.0	18 ± 0.6
1000.0	16 ± 0.9
3333.0	18 ± 0.6
10000.0	13 ± 0.9
Trial Summary	Negative
Positive Control ²	1590 ± 52.8
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: Dimethyl Sulfoxide

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

**** END OF REPORT ****