

Experiment Number: **241000**

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

G06: Ames Summary Data

Test Compound: **C.I. Direct blue 6**

CAS Number: **2602-46-2**

Date Report Requested: **09/10/2018**

Time Report Requested: **19:16:43**

NTP Study Number:

241000

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	105 ± 5.5	73 ± 11.6	150 ± 7.9	91 ± 6.0	165 ± 15.3
100.0	129 ± 2.0	70 ± 10.4	189 ± 2.6	98 ± 8.8	152 ± 4.9
333.0	117 ± 1.7	72 ± 5.8	186 ± 2.5	101 ± 6.2	148 ± 4.4
1000.0	110 ± 5.5	68 ± 4.8	146 ± 2.7	93 ± 3.5	150 ± 4.9
3333.0	82 ± 2.2	64 ± 3.7	141 ± 3.3	86 ± 0.6	120 ± 3.8
10000.0	76 ± 8.7	65 ± 11.5	155 ± 39.0	100 ± 3.8	175 ± 10.0
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²			898 ± 100.3	355 ± 54.2	1626 ± 266.7
Positive Control ³	337 ± 23.0	846 ± 117.0			

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Strain: TA100

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	74 ± 3.5
100.0	86 ± 1.5
333.0	108 ± 17.5
1000.0	96 ± 14.2
3333.0	109 ± 5.9
10000.0	122 ± 13.2
Trial Summary	Negative
Positive Control ²	1072 ± 41.7
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	5 ± 0.7	8 ± 2.7	6 ± 1.7	11 ± 1.2	5 ± 1.7
33.0		4 ± 1.5		8 ± 1.5	
100.0	2 ± 0.0	5 ± 1.2	3 ± 0.6	7 ± 0.9	3 ± 1.0
333.0	2 ± 0.3	6 ± 1.8	2 ± 0.3	8 ± 2.2	2 ± 0.5
1000.0	2 ± 0.3	6 ± 1.5	1 ± 0.0	7 ± 2.3	3 ± 1.0
3333.0	1 ± 0.3	5 ± 1.5	2 ± 0.6	6 ± 1.2	2 ± 0.6
10000.0	0 ± 0.0		0 ± 0.0		0 ± 0.0
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²			63 ± 7.9	88 ± 20.7	73 ± 11.5
Positive Control ³	88 ± 30.8	1287 ± 194.6			

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Strain: TA1535

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	13 ± 2.6
33.0	8 ± 1.0
100.0	9 ± 0.6
333.0	8 ± 1.8
1000.0	8 ± 0.3
3333.0	8 ± 1.8
10000.0	
Trial Summary	Negative
Positive Control ²	203 ± 19.3
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	3 ± 0.7	7 ± 1.3	6 ± 0.6	13 ± 3.1	6 ± 1.3
33.0		5 ± 1.2		15 ± 3.2	
100.0	1 ± 0.3	3 ± 0.7	6 ± 0.7	18 ± 2.9	7 ± 1.9
333.0	1 ± 0.3	2 ± 0.3	3 ± 0.0	13 ± 3.2	5 ± 0.6
1000.0	1 ± 0.0	2 ± 0.0	6 ± 0.3	14 ± 0.7	8 ± 2.7
3333.0	2 ± 0.0	3 ± 1.2	2 ± 0.6	12 ± 4.0	6 ± 1.0
10000.0	0 ± 0.0		0 ± 0.0		1 ± 0.3
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²			68 ± 14.0	97 ± 3.2	72 ± 12.7
Positive Control ⁴	113 ± 10.5	544 ± 71.7			

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Strain: TA1537

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	15 ± 3.2
33.0	18 ± 0.7
100.0	20 ± 0.9
333.0	17 ± 1.9
1000.0	18 ± 1.2
3333.0	18 ± 2.0
10000.0	
Trial Summary	Negative
Positive Control ²	127 ± 12.1
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	17 ± 0.9	20 ± 1.7	14 ± 1.2	23 ± 3.4	20 ± 2.0
33.0		17 ± 0.9		20 ± 0.7	
100.0	13 ± 1.5	15 ± 1.5	17 ± 1.3	21 ± 3.5	28 ± 1.5
333.0	17 ± 1.8	20 ± 2.3	16 ± 0.6	21 ± 2.7	23 ± 2.8
1000.0	9 ± 1.2	17 ± 3.1	7 ± 0.7	12 ± 0.9	16 ± 3.1
3333.0	12 ± 0.3	17 ± 1.8	11 ± 1.2	17 ± 0.7	17 ± 1.7
10000.0	6 ± 2.9		9 ± 2.3		10 ± 1.5
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²			612 ± 90.8	654 ± 142.7	1606 ± 32.4
Positive Control ⁵	291 ± 20.2	416 ± 25.0			

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Strain: TA98

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	23 ± 2.7
33.0	23 ± 1.2
100.0	23 ± 4.6
333.0	20 ± 3.3
1000.0	17 ± 0.6
3333.0	19 ± 0.6
10000.0	
Trial Summary	Negative
Positive Control ²	1502 ± 68.0
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

**** END OF REPORT ****