

Experiment Number: 306945

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

G06: Ames Summary Data

Test Compound: **C.I. Direct brown 95**

CAS Number: **16071-86-6**

Date Report Requested: **09/12/2018**

Time Report Requested: **03:33:18**

NTP Study Number:

306945

Study Result:

Weakly Positive

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CAS Number: 16071-86-6

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Strain: TA100

Dose (ug/Plate)	Without S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	162 ± 5.3	135 ± 8.2	123 ± 0.7
100.0	158 ± 2.0	117 ± 3.1	127 ± 10.2
333.0	156 ± 14.4	128 ± 2.3	128 ± 8.2
1000.0	149 ± 7.4	147 ± 7.8	160 ± 5.8
3333.0	140 ± 8.7	145 ± 2.2	159 ± 8.0
10000.0	101 ± 9.8	125 ± 6.6	129 ± 9.3
Trial Summary	Negative	Negative	Equivocal
Positive Control ²			2371 ± 177.0
Positive Control ³		1199 ± 130.7	
Positive Control ⁴	2261 ± 130.4		

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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	42 ± 3.3	31 ± 4.2	11 ± 1.9	13 ± 0.6	8 ± 1.5
100.0	40 ± 7.2	25 ± 4.5	7 ± 2.4	13 ± 2.6	8 ± 0.6
333.0	35 ± 2.6	36 ± 1.8	16 ± 2.0	8 ± 2.3	16 ± 2.6
500.0		29 ± 6.2		14 ± 2.7	
1000.0	31 ± 6.1	31 ± 2.2	32 ± 2.1	13 ± 2.7	37 ± 2.9
2000.0		25 ± 1.5		24 ± 0.6	
3333.0	27 ± 2.9	24 ± 5.0	30 ± 2.3	32 ± 1.5	27 ± 2.9
10000.0	15 ± 1.8	21 ± 1.0	18 ± 1.5	25 ± 3.5	21 ± 2.1
Trial Summary	Negative	Negative	Weakly Positive	Weakly Positive	Weakly Positive
Positive Control ²					216 ± 13.4
Positive Control ³			115 ± 8.0	119 ± 8.4	
Positive Control ⁴	1237 ± 46.2	1425 ± 10.5			

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Strain: TA1535

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	9 ± 2.0
100.0	12 ± 2.3
333.0	11 ± 1.9
500.0	11 ± 1.7
1000.0	19 ± 3.5
2000.0	37 ± 3.4
3333.0	33 ± 2.7
10000.0	28 ± 5.0
Trial Summary	Weakly Positive
Positive Control ²	156 ± 12.2
Positive Control ³	
Positive Control ⁴	

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Strain: TA1537

Dose (ug/Plate)	Without S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	6 ± 2.0	7 ± 1.2	11 ± 1.7
100.0	7 ± 1.2	6 ± 2.0	7 ± 1.2
333.0	6 ± 1.5	5 ± 1.7	10 ± 2.2
1000.0	8 ± 1.5	3 ± 0.9	9 ± 2.9
3333.0	6 ± 0.7	5 ± 0.6	9 ± 0.9
10000.0	5 ± 2.6	5 ± 0.3	9 ± 2.0
Trial Summary	Negative	Negative	Negative
Positive Control ²			193 ± 26.5
Positive Control ³		101 ± 25.6	
Positive Control ⁵	718 ± 132.6		

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Strain: TA98

Dose (ug/Plate)	Without S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	19 ± 1.2	26 ± 4.7	26 ± 1.5
100.0	16 ± 0.3	30 ± 4.2	32 ± 4.4
333.0	18 ± 0.6	17 ± 1.7	22 ± 3.0
1000.0	18 ± 1.8	16 ± 1.9	20 ± 3.2
3333.0	17 ± 1.3	20 ± 3.7	21 ± 1.0
10000.0	21 ± 3.3	25 ± 5.0	19 ± 2.0
Trial Summary	Negative	Negative	Negative
Positive Control ²			1702 ± 217.5
Positive Control ³		1042 ± 67.3	
Positive Control ⁶	1794 ± 68.9		

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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: 0.75 ug/Plate 2-Aminoanthracene

3: 1.5 ug/Plate 2-Aminoanthracene

4: 2.5 ug/Plate Sodium Azide

5: 80.0 ug/Plate 9-Aminoacridine

6: 12.0 ug/Plate 4-Nitro-O-Phenylenediamine

**** END OF REPORT ****