

Experiment Number: 870768

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: 09/16/2018

Time Report Requested: 16:28:31

NTP Study Number:

870768

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	112 ± 10.7	98 ± 10.1	107 ± 4.6	86 ± 3.8	112 ± 5.0
33.3	110 ± 3.8	104 ± 1.0	127 ± 5.5	146 ± 20.8	139 ± 3.0
100.0	108 ± 3.2	126 ± 11.5	117 ± 11.0	136 ± 10.6 ^p	134 ± 5.5
333.3	108 ± 7.0	106 ± 11.0	116 ± 10.2	121 ± 9.7 ^p	127 ± 4.6
1000.0	121 ± 7.2	113 ± 10.2	113 ± 6.0	132 ± 11.3 ^p	125 ± 12.3
3333.3	117 ± 16.0	98 ± 2.9	123 ± 7.5 ^p	159 ± 8.9 ^p	148 ± 13.3 ^p
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²			633 ± 31.8	571 ± 39.1	1464 ± 84.3
Positive Control ³	281 ± 4.9	217 ± 3.5			

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Strain: TA100

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	134 ± 4.0
33.3	127 ± 0.3
100.0	119 ± 7.0
333.3	125 ± 0.3
1000.0	122 ± 6.4
3333.3	120 ± 5.3 ^p
Trial Summary	Negative
Positive Control ²	1741 ± 54.0
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	11 ± 2.3	18 ± 0.6	9 ± 2.1	8 ± 1.9	7 ± 1.5
33.3	12 ± 3.5	16 ± 1.9	10 ± 1.9	6 ± 0.9	7 ± 1.0
100.0	12 ± 1.7	12 ± 1.5	9 ± 2.0	6 ± 0.9 ^p	12 ± 4.0
333.3	12 ± 2.4	11 ± 2.3	11 ± 1.7	7 ± 0.7 ^p	8 ± 0.7
1000.0	12 ± 0.6	13 ± 0.3	11 ± 1.5	12 ± 1.5 ^p	16 ± 0.3
3333.3	10 ± 1.9	12 ± 0.6	11 ± 2.6 ^p	11 ± 2.7 ^p	12 ± 3.2 ^p
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ³	170 ± 3.9	126 ± 5.6			
Positive Control ⁴			246 ± 18.5	266 ± 8.7	333 ± 16.4

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Strain: TA1535

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	8 ± 1.9
33.3	12 ± 2.0
100.0	10 ± 1.8
333.3	12 ± 2.8
1000.0	10 ± 2.3
3333.3	14 ± 2.0 ^p
Trial Summary	Negative
Positive Control ³	
Positive Control ⁴	400 ± 24.9

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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	4 ± 1.0	7 ± 0.6	8 ± 1.9	7 ± 1.3	5 ± 0.7
33.3	6 ± 0.3	6 ± 1.2	11 ± 1.3	7 ± 2.3	9 ± 1.9
100.0	6 ± 1.3	8 ± 0.7	9 ± 1.5	5 ± 0.3 ^p	12 ± 2.8
333.3	5 ± 0.3	8 ± 1.9	11 ± 2.3	6 ± 1.5 ^p	7 ± 1.2
1000.0	6 ± 1.3	11 ± 3.2	10 ± 3.7	6 ± 0.0 ^p	8 ± 1.9
3333.3	8 ± 1.7	10 ± 3.3	8 ± 2.6 ^p	5 ± 0.6 ^p	7 ± 1.5 ^p
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ⁴			134 ± 10.4	142 ± 14.4	251 ± 3.8
Positive Control ⁵	122 ± 40.0	289 ± 28.7			

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Strain: TA1537

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	11 ± 2.3
33.3	9 ± 1.3
100.0	10 ± 2.3
333.3	10 ± 2.2
1000.0	12 ± 0.3
3333.3	9 ± 1.3 ^p
Trial Summary	Negative
Positive Control ⁴	267 ± 28.0
Positive Control ⁵	

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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	24 ± 2.4	17 ± 1.9	26 ± 3.8	31 ± 3.6	32 ± 4.1
33.3	29 ± 5.5	20 ± 0.3	24 ± 2.0	31 ± 6.4	34 ± 2.5
100.0	24 ± 2.6	20 ± 2.3	19 ± 0.3	28 ± 6.1 ^P	40 ± 1.5
333.3	30 ± 1.0	20 ± 3.2	28 ± 2.4	27 ± 1.2 ^P	41 ± 5.6
1000.0	20 ± 2.3	15 ± 3.2	21 ± 1.7	27 ± 2.3 ^P	30 ± 1.9
3333.3	25 ± 0.6	19 ± 2.8	19 ± 2.7 ^P	27 ± 1.9 ^P	28 ± 6.1 ^P
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²			238 ± 8.2	448 ± 22.1	1196 ± 47.3
Positive Control ⁶	438 ± 3.5	461 ± 9.8			

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Strain: TA98

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	24 ± 5.5
33.3	23 ± 1.9
100.0	25 ± 3.0
333.3	29 ± 3.8
1000.0	22 ± 3.3
3333.3	20 ± 4.4 ^p
Trial Summary	Negative
Positive Control ²	938 ± 43.9
Positive Control ⁶	

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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: **09/16/2018**

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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: 1.0 ug/Plate Sodium Azide

4: 2.5 ug/Plate 2-Aminoanthracene

5: 50.0 ug/Plate 9-Aminoacridine

6: 5.0 ug/Plate 4-Nitro-O-Phenylenediamine

p: Precipitate

**** END OF REPORT ****