

Experiment Number: **233444**

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

G06: Ames Summary Data

Test Compound: **C.I. Direct black 80**

CAS Number: **8003-69-8**

Date Report Requested: **09/15/2018**

Time Report Requested: **04:12:17**

NTP Study Number:

233444

Study Result:

Positive

Experiment Number: 233444

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: C.I. Direct black 80

CAS Number: 8003-69-8

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Strain: TA100

Dose (ug/Plate)	Without S9	With 30% Rat S9	With 30% Hamster S9
Vehicle Control ¹	115 ± 4.4	147 ± 10.1	155 ± 4.3
100.0	121 ± 5.2	152 ± 3.1	148 ± 2.9
333.0	106 ± 1.9	163 ± 14.6	155 ± 9.1
1000.0	109 ± 2.8 ^p	138 ± 5.0 ^p	130 ± 6.4 ^p
3333.0	110 ± 3.3 ^p	127 ± 9.8 ^p	135 ± 6.4 ^p
10000.0	127 ± 4.2 ^p	124 ± 3.1 ^p	134 ± 5.0 ^p
Trial Summary	Negative	Negative	Negative
Positive Control ²			622 ± 17.0
Positive Control ³		402 ± 13.3	
Positive Control ⁴	861 ± 23.5		

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Strain: TA98

Dose (ug/Plate)	Without S9	With 30% Rat S9	With 30% Rat S9	With 30% Hamster S9	With 30% Hamster S9
Vehicle Control ¹	14 ± 2.2	19 ± 0.6	29 ± 3.7	19 ± 0.3	29 ± 1.2
33.0					26 ± 2.8
100.0	17 ± 0.9	19 ± 3.6		23 ± 2.6	33 ± 3.8
333.0	13 ± 2.9	17 ± 2.0	40 ± 5.5	41 ± 4.9	44 ± 4.4
666.0			55 ± 1.5		
1000.0	14 ± 3.2 ^p	35 ± 3.9 ^p	78 ± 3.8 ^p	60 ± 4.1 ^p	107 ± 3.7 ^p
1666.0			82 ± 2.6 ^p		
3333.0	15 ± 1.9 ^p	46 ± 2.7 ^p	81 ± 10.7 ^p	84 ± 6.5 ^p	126 ± 3.2 ^p
10000.0	16 ± 2.0 ^p	28 ± 2.0 ^p		48 ± 3.2 ^p	
Trial Summary	Negative	Positive	Positive	Positive	Positive
Positive Control ²				462 ± 23.0	232 ± 27.8
Positive Control ³		332 ± 12.8	163 ± 4.9		
Positive Control ⁵	249 ± 19.1				

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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: 2.5 ug/Plate 2-Aminoanthracene

4: 5.0 ug/Plate Sodium Azide

5: 2.5 ug/Plate 4-Nitro-O-Phenylenediamine

p: Precipitate

**** END OF REPORT ****