

Experiment Number: 854185

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

G06: Ames Summary Data

Test Compound: **C.I. Acid black 1**

CAS Number: **1064-48-8**

Date Report Requested: **09/16/2018**

Time Report Requested: **09:10:53**

NTP Study Number:

854185

Study Result:

Positive

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Test Compound: **C.I. Acid black 1**

CAS Number: **1064-48-8**

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Strain: TA100

Dose (ug/Plate)	Without S9	With 30% Rat S9	With 30% Hamster S9
Vehicle Control ¹	156 ± 13.1	178 ± 5.4	190 ± 0.9
100.0	165 ± 9.4	171 ± 9.1	227 ± 5.2
333.0	162 ± 6.2	203 ± 5.5	244 ± 7.8
1000.0	186 ± 4.1	210 ± 16.8	230 ± 14.9
3333.0	186 ± 8.8	213 ± 3.5	226 ± 7.9
10000.0	159 ± 18.2	208 ± 6.3	257 ± 6.9
Trial Summary	Negative	Negative	Equivocal
Positive Control ²	347 ± 7.7		
Positive Control ³			581 ± 23.8
Positive Control ⁴		1070 ± 41.7	

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Test Compound: C.I. Acid black 1

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Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	With 30% Rat S9	With 30% Rat S9	With 30% Rat S9
Vehicle Control ¹	30 ± 2.3	16 ± 3.2	21 ± 2.1	28 ± 0.6	21 ± 2.8
100.0	105 ± 8.8	52 ± 1.5	45 ± 5.4	31 ± 1.8	21 ± 3.0
333.0	270 ± 2.0	99 ± 1.8	87 ± 5.2	39 ± 3.2	22 ± 4.5
1000.0	363 ± 21.3	259 ± 8.2	152 ± 2.0	46 ± 5.7	47 ± 5.3
3333.0	354 ± 177.5	329 ± 8.2	296 ± 11.7	172 ± 8.1	131 ± 5.3
10000.0	529 ± 45.5	382 ± 21.2	414 ± 44.8	73 ± 14.1 ^x	364 ± 24.4
Trial Summary	Positive	Positive	Positive	Positive	Positive
Positive Control ⁵	304 ± 16.0	454 ± 12.6			
Positive Control ³			154 ± 9.0	403 ± 15.4	484 ± 10.1

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Dose (ug/Plate)	With 30% Hamster S9	With 30% Hamster S9	With 30% Hamster S9	With 30% Hamster S9
Vehicle Control ¹	23 ± 4.0	24 ± 3.5	27 ± 1.2	21 ± 3.6
100.0	57 ± 2.7	25 ± 5.0	29 ± 3.5	18 ± 1.2
333.0	108 ± 6.7	34 ± 5.2	47 ± 4.1	39 ± 0.9
1000.0	175 ± 12.3	78 ± 20.3	63 ± 2.3	58 ± 3.6
3333.0	377 ± 32.9	134 ± 3.0	157 ± 11.5	165 ± 7.0
10000.0	473 ± 13.6	0 ± 0.0 ^x	0 ± 0.0 ^x	231 ± 12.9
Trial Summary	Positive	Positive	Positive	Positive
Positive Control ⁵				
Positive Control ³	361 ± 20.7	1123 ± 11.5	723 ± 176.9	1070 ± 65.0

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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: 0.5 ug/Plate Sodium Azide

3: 1.0 ug/Plate 2-Aminoanthracene

4: 2.0 ug/Plate 2-Aminoanthracene

5: 1.0 ug/Plate 4-Nitro-O-Phenylenediamine

x: Slight Toxicity and Precipitate

**** END OF REPORT ****