

Experiment Number: 999076

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

G06: Ames Summary Data

Test Compound: **C.I. Acid blue 74**

CAS Number: **860-22-0**

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

Time Report Requested: **10:30:50**

NTP Study Number:

999076

Study Result:

Weakly Positive

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Strain: TA100

Dose (ug/Plate)	Without S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	136 ± 5.7	134 ± 3.7	128 ± 9.8
100.0	131 ± 14.1	157 ± 5.9	146 ± 5.5
333.0	143 ± 3.8	151 ± 8.9	149 ± 6.3
1000.0	141 ± 9.5	157 ± 4.2	136 ± 4.2
3333.0	121 ± 10.1	149 ± 5.6	125 ± 2.8
10000.0	128 ± 5.5 ^p	146 ± 10.2 ^p	127 ± 18.1 ^p
Trial Summary	Negative	Negative	Negative
Positive Control ²			984 ± 4.1
Positive Control ³		724 ± 29.9	
Positive Control ⁴	383 ± 9.3		

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Strain: TA1535

Dose (ug/Plate)	Without S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	20 ± 0.7	11 ± 1.7	10 ± 2.6
100.0	22 ± 4.7	11 ± 1.7	8 ± 2.2
333.0	21 ± 4.7	11 ± 4.7	6 ± 0.6
1000.0	20 ± 1.2	11 ± 0.7	10 ± 2.0
3333.0	23 ± 3.2	9 ± 0.7	9 ± 2.3
10000.0	22 ± 3.2 ^p	9 ± 1.5 ^p	8 ± 1.0 ^p
Trial Summary	Negative	Negative	Negative
Positive Control ³			289 ± 3.8
Positive Control ⁴	396 ± 11.5		
Positive Control ⁵		230 ± 15.9	

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Strain: TA97

Dose (ug/Plate)	Without S9	With 10% Rat S9	With 10% Hamster S9	With 10% Hamster S9
Vehicle Control ¹	169 ± 12.8	155 ± 3.7	147 ± 5.8	151 ± 6.3
100.0	187 ± 12.7	169 ± 15.9	216 ± 14.7	188 ± 8.2
333.0	166 ± 12.2	144 ± 13.8	217 ± 13.7	176 ± 4.2
1000.0	179 ± 5.9	125 ± 15.0	201 ± 2.5	191 ± 9.8
3333.0	164 ± 16.4	87 ± 8.2	190 ± 2.3	190 ± 2.4
10000.0	128 ± 19.4 ^p	109 ± 9.9 ^p	149 ± 23.2 ^p	123 ± 13.9 ^p
Trial Summary	Negative	Negative	Equivocal	Equivocal
Positive Control ²			694 ± 73.6	306 ± 2.4
Positive Control ³		449 ± 9.2		
Positive Control ⁶	672 ± 9.3			

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Strain: TA98

Dose (ug/Plate)	Without S9	With 5% Rat S9	With 5% Rat S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control ¹	34 ± 1.9	33 ± 2.6	32 ± 2.2	44 ± 1.8	38 ± 3.2
100.0	30 ± 1.5	33 ± 2.8	24 ± 2.7	52 ± 1.2	32 ± 1.0
333.0	36 ± 5.2	44 ± 2.2	35 ± 3.5	56 ± 2.0	32 ± 2.4
1000.0	31 ± 1.9	73 ± 4.1	52 ± 4.6	63 ± 2.8	42 ± 0.9
3333.0	25 ± 3.6	51 ± 1.8	51 ± 5.5	64 ± 4.7	57 ± 6.2
10000.0	34 ± 3.8 ^p	34 ± 4.9 ^p	34 ± 3.5 ^p	67 ± 2.3 ^p	38 ± 4.4 ^p
Trial Summary	Negative	Weakly Positive	Weakly Positive	Equivocal	Equivocal
Positive Control ²					
Positive Control ³		2008 ± 85.3	763 ± 36.0	464 ± 16.8	459 ± 15.0
Positive Control ⁷	837 ± 31.2				

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Strain: TA98

Dose (ug/Plate)	With 30% Rat S9	With 10% Hamster S9
Vehicle Control ¹	36 ± 2.6	47 ± 1.7
100.0	29 ± 1.2	40 ± 5.3
333.0	33 ± 3.8	46 ± 2.6
1000.0	45 ± 3.5	32 ± 3.2
3333.0	36 ± 1.7	39 ± 0.3
10000.0	25 ± 2.3 ^p	29 ± 3.5 ^p
Trial Summary	Negative	Negative
Positive Control ²		779 ± 49.3
Positive Control ³	131 ± 28.7	
Positive Control ⁷		

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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 2-Aminoanthracene

3: 1.0 ug/Plate 2-Aminoanthracene

4: 1.0 ug/Plate Sodium Azide

5: 2.5 ug/Plate 2-Aminoanthracene

6: 50.0 ug/Plate 9-Aminoacridine

7: 2.5 ug/Plate 4-Nitro-O-Phenylenediamine

p: Precipitate

**** END OF REPORT ****