

Experiment Number: A78400

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: Azure C

CAS Number: 531-57-7

Date Report Requested: 09/17/2018

Time Report Requested: 23:31:51

NTP Study Number:

A78400

Study Result:

Positive

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Strain: TA100				
Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control ¹	79 ± 11.3	100 ± 4.5	69 ± 8.6	67 ± 3.5
1.0		94 ± 4.0		
5.0		129 ± 5.0		
10.0		153 ± 3.5		
25.0	270 ± 23.0	229 ± 36.8	85 ± 6.2	
50.0	320 ± 14.2	260 ± 10.5	84 ± 5.5	
100.0	311 ± 56.7		124 ± 6.1	112 ± 3.6
250.0	198 ± 24.2		113 ± 6.1	127 ± 1.5
500.0	58 ± 8.8		100 ± 7.0	66 ± 4.7
750.0	Toxic		84 ± 4.1	55 ± 4.3 ^P
1000.0				71 ± 3.7 ^P
Trial Summary	Positive	Positive	Positive	Positive
Positive Control ²	636 ± 34.2	438 ± 26.5		
Positive Control ³			1114 ± 95.3	1053 ± 34.7

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Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control ¹	31 ± 3.8	23 ± 4.5	28 ± 1.2	30 ± 1.5
1.0		22 ± 2.4		
5.0		40 ± 5.5		
10.0		62 ± 4.8		
25.0	67 ± 2.1	94 ± 7.8	31 ± 3.2	
50.0	93 ± 7.1	100 ± 7.3	35 ± 3.0	
100.0	69 ± 10.3		46 ± 6.9	48 ± 1.2
250.0	73 ± 13.0		62 ± 0.0	88 ± 15.5
500.0	39 ± 4.4		69 ± 0.9	66 ± 4.9
750.0	32 ± 5.2		63 ± 3.8	68 ± 1.9
1000.0				35 ± 2.3 ^P
Trial Summary	Positive	Positive	Positive	Positive
Positive Control ³			1059 ± 52.6	818 ± 100.7
Positive Control ⁴	418 ± 48.8	257 ± 31.3		

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Strain: E. coli WP2 uvrA pKM101

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control ¹	164 ± 2.3	178 ± 9.5	203 ± 13.2	194 ± 10.4
5.0		207 ± 18.2		
10.0		266 ± 31.4		
25.0		320 ± 9.0		
50.0		384 ± 6.5		266 ± 11.3
100.0	616 ± 31.2	496 ± 49.0	292 ± 3.9	315 ± 7.5
250.0	588 ± 20.3		312 ± 18.7	
500.0	398 ± 51.6		393 ± 28.6	354 ± 29.8
1000.0	156 ± 9.0		441 ± 16.8	597 ± 28.5 ^P
1500.0				560 ± 78.1 ^P
2500.0	130 ± 11.6		346 ± 52.3 ^P	
3500.0	58 ± 36.4 ^X		212 ± 20.0 ^P	
5000.0	1 ± 0.9 ^X		134 ± 11.2 ^P	
Trial Summary	Positive	Positive	Positive	Positive
Positive Control ⁵			1148 ± 39.9	737 ± 79.2
Positive Control ⁶	1895 ± 117.5	1714 ± 57.9		

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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: Dimethyl Sulfoxide

2: 1.0 ug/Plate Sodium Azide

3: 2.5 ug/Plate 2-Aminoanthracene

4: 5.0 ug/Plate 2-Nitrofluorene

5: 20.0 ug/Plate 2-Aminoanthracene

6: 4000.0 ug/Plate Methyl Methane Sulfonate

p: Precipitate

x: Slight Toxicity and Precipitate

**** END OF REPORT ****