

Experiment Number: A44717

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

G06: Ames Summary Data

Test Compound: **Azure B**

CAS Number: **531-55-5**

Date Report Requested: **09/17/2018**

Time Report Requested: **00:58:26**

NTP Study Number:

A44717

Study Result:

Positive

Experiment Number: A44717

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: Azure B

CAS Number: 531-55-5

Date Report Requested: 09/17/2018

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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	95 ± 1.2	69 ± 8.6	78 ± 12.7
1.0		102 ± 8.1		
5.0		134 ± 3.2		
10.0	229 ± 2.6	196 ± 3.8	164 ± 5.5	
25.0	317 ± 15.6	232 ± 3.4	175 ± 17.8	124 ± 10.5
50.0	250 ± 27.6	314 ± 3.9	165 ± 18.9	202 ± 35.1
100.0	47 ± 7.3	359 ± 23.8	94 ± 10.7	99 ± 6.1
250.0	Toxic		51 ± 10.7	49 ± 4.7
500.0				7 ± 2.7 ^x
Trial Summary	Positive	Positive	Positive	Equivocal
Positive Control ²	636 ± 34.2	322 ± 29.3		
Positive Control ³			1114 ± 95.3	743 ± 39.7

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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 ± 0.9	28 ± 1.2	32 ± 1.5
1.0		29 ± 3.5		
5.0		45 ± 7.2		
10.0	104 ± 4.1	41 ± 3.5	57 ± 6.9	70 ± 0.9
25.0	107 ± 15.0	79 ± 4.3	59 ± 3.8	75 ± 2.0
50.0	86 ± 12.8	82 ± 8.5	46 ± 5.3	81 ± 3.3
100.0	27 ± 6.1	85 ± 1.2	44 ± 5.7	49 ± 4.5
250.0	Toxic		45 ± 3.6	44 ± 3.5
500.0				50 ± 11.1
Trial Summary	Positive	Positive	Positive	Positive
Positive Control ³			1059 ± 52.6	592 ± 24.0
Positive Control ⁴	451 ± 15.5	250 ± 2.6		

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CAS Number: 531-55-5

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	174 ± 7.1	203 ± 13.2	218 ± 2.0
1.0		174 ± 14.1		
5.0		232 ± 9.8		
10.0		297 ± 27.6		
25.0		357 ± 6.3		
50.0	675 ± 36.3	464 ± 19.9	279 ± 19.9	
100.0	650 ± 67.3	460 ± 21.0	356 ± 15.7	292 ± 8.1
250.0	436 ± 25.6		288 ± 23.1	392 ± 36.7
500.0	228 ± 20.8		378 ± 18.4	369 ± 32.8
750.0	169 ± 30.6		543 ± 27.8	420 ± 28.8
1000.0				425 ± 31.3
Trial Summary	Positive	Positive	Positive	Positive
Positive Control ⁵			1148 ± 39.9	759 ± 21.8
Positive Control ⁶	1895 ± 117.5	1333 ± 109.8		

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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

x: Slight Toxicity and Precipitate

** END OF REPORT **