

Experiment Number: 725205

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: Reactive blue 19

CAS Number: 2580-78-1

Date Report Requested: 09/12/2018

Time Report Requested: 19:13:01

NTP Study Number:

725205

Study Result:

Positive

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Strain: TA100

Dose (ug/Plate)	Without S9	With 30% Rat S9	With 30% Rat S9	With 30% Hamster S9	With 30% Hamster S9
Vehicle Control ¹	119 ± 4.7	151 ± 2.0	134 ± 3.3	137 ± 10.8	133 ± 2.2
3.0					
10.0					
33.0			165 ± 3.1		221 ± 11.5
100.0	95 ± 5.6	201 ± 5.5	204 ± 16.9	269 ± 3.5	269 ± 59.3
166.0			276 ± 21.5		428 ± 35.2
333.0	109 ± 8.7	456 ± 25.7	383 ± 24.4	603 ± 36.6	403 ± 93.6
666.0			558 ± 24.3		1013 ± 8.8
1000.0	108 ± 11.0	590 ± 46.3		867 ± 24.7	
3333.0	119 ± 9.0	436 ± 30.8		335 ± 21.9	
10000.0	95 ± 4.0	183 ± 12.9		81 ± 6.2	
Trial Summary	Negative	Positive	Positive	Positive	Positive
Positive Control ²					630 ± 22.4
Positive Control ³				457 ± 16.5	
Positive Control ⁴	408 ± 17.6				
Positive Control ⁵		494 ± 21.1	480 ± 17.0		

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Strain: TA100

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	166 ± 7.1
3.0	154 ± 11.6
10.0	182 ± 20.0
33.0	184 ± 14.2
100.0	236 ± 6.4
166.0	271 ± 19.1
333.0	
666.0	
1000.0	
3333.0	
10000.0	
Trial Summary	Positive
Positive Control ²	
Positive Control ³	
Positive Control ⁴	
Positive Control ⁵	703 ± 13.1

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Test Type: **Genetic Toxicology - Bacterial
Mutagenicity**Test Compound: **Reactive blue 19**

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CAS Number: 2580-78-1

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	16 ± 1.0	24 ± 2.6	25 ± 2.3	31 ± 5.4	29 ± 4.4
100.0	17 ± 0.9	38 ± 9.2	38 ± 4.1	34 ± 1.7	38 ± 5.1
166.0			54 ± 2.2		48 ± 4.7
333.0	15 ± 2.5	89 ± 6.4	73 ± 1.2	80 ± 6.2	72 ± 8.2
666.0			73 ± 0.7		83 ± 6.1
1000.0	17 ± 3.5	138 ± 12.5	95 ± 9.3	171 ± 18.7	89 ± 2.1
3333.0	13 ± 2.0	64 ± 7.4		33 ± 4.0	
10000.0	11 ± 0.6	16 ± 8.5		11 ± 2.7	
Trial Summary	Negative	Positive	Positive	Positive	Positive
Positive Control ²					536 ± 22.4
Positive Control ³		259 ± 7.2	191 ± 9.3	441 ± 27.8	
Positive Control ⁶	520 ± 29.2				

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Mutagenicity**

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Test Compound: **Reactive blue 19**

CAS Number: 2580-78-1

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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: Dimethyl Sulfoxide

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

**** END OF REPORT ****