

Experiment Number: 287330

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: Benzyl violet 4B

CAS Number: 1694-09-3

Date Report Requested: 09/11/2018

Time Report Requested: 15:47:27

NTP Study Number: 287330

Study Result: Positive

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Strain: TA100

Dose (ug/Plate)	Without S9	With 30% Rat S9	With 30% Hamster S9
Vehicle Control ¹	117 ± 4.2	133 ± 3.0	125 ± 4.7
100.0	171 ± 5.5	143 ± 11.9 ^P	120 ± 7.0 ^P
333.0	117 ± 4.1	129 ± 5.6 ^P	140 ± 12.5 ^P
1000.0	136 ± 6.4	148 ± 6.4 ^P	134 ± 3.0 ^P
3333.0	96 ± 6.0 ^P	133 ± 8.4 ^P	137 ± 6.8 ^P
5000.0	103 ± 11.5 ^P	119 ± 6.4 ^P	130 ± 2.3 ^P
Trial Summary	Negative	Negative	Negative
Positive Control ²	378 ± 9.2		
Positive Control ³			626 ± 13.1
Positive Control ⁴		1234 ± 27.7	

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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	18 ± 1.7	31 ± 1.7	27 ± 3.2	26 ± 1.2	32 ± 3.2
100.0	38 ± 9.0	42 ± 1.5 ^P	47 ± 3.6 ^P	59 ± 5.2 ^P	52 ± 5.8 ^P
333.0	23 ± 3.2	47 ± 2.7 ^P	64 ± 5.5 ^P	133 ± 10.4 ^P	96 ± 9.5 ^P
1000.0	28 ± 0.9	70 ± 4.6 ^P	69 ± 6.9 ^P	246 ± 1.8 ^P	198 ± 3.0 ^P
3333.0	25 ± 6.7 ^P	101 ± 2.3 ^P	98 ± 2.2 ^P	326 ± 15.1 ^P	291 ± 6.0 ^P
5000.0	20 ± 1.2 ^P	80 ± 4.8 ^P	60 ± 3.5 ^P	191 ± 4.6 ^P	189 ± 15.5 ^P
Trial Summary	Negative	Positive	Positive	Positive	Positive
Positive Control ³		389 ± 1.0	373 ± 13.7	417 ± 10.5	342 ± 17.1
Positive Control ⁵	339 ± 11.0				

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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: Dimethyl Sulfoxide

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

p: Precipitate

**** END OF REPORT ****