

Experiment Number: 394413

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

G06: Ames Summary Data

Test Compound: **Resorcine blue**

CAS Number: **87495-30-5**

Date Report Requested: **09/14/2018**

Time Report Requested: **15:52:01**

NTP Study Number:

394413

Study Result:

Negative

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Test Compound: Resorcine blue

CAS Number: 87495-30-5

Date Report Requested: 09/14/2018

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Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	85 ± 2.3	152 ± 7.9	122 ± 9.7	159 ± 16.8	109 ± 2.6
100.0	74 ± 0.3	141 ± 1.8	102 ± 1.2	171 ± 15.5	93 ± 9.3
333.0	82 ± 11.1	154 ± 8.7	119 ± 11.5	150 ± 3.8	87 ± 5.5
1000.0	92 ± 12.7	106 ± 5.8	111 ± 7.0	154 ± 12.5	76 ± 4.0
3333.0	85 ± 5.7 ^P	131 ± 5.0 ^P	99 ± 7.8 ^P	170 ± 14.0	82 ± 6.1 ^P
10000.0	Toxic	Toxic	106 ± 13.1 ^P	110 ± 4.2	84 ± 9.6 ^P
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²			2356 ± 381.3	558 ± 7.2	2677 ± 145.0
Positive Control ³	1499 ± 90.4	1459 ± 78.9			

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Strain: TA100

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	186 ± 1.2
100.0	169 ± 13.6
333.0	209 ± 6.1
1000.0	172 ± 6.9
3333.0	151 ± 5.5 ^P
10000.0	82 ± 9.1 ^P
Trial Summary	Negative
Positive Control ²	2082 ± 357.6
Positive Control ³	

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Strain: TA1535

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	5 ± 1.5	22 ± 3.7	8 ± 2.5	23 ± 1.3	5 ± 1.9
33.0		23 ± 2.7		28 ± 1.5	
100.0	4 ± 0.3	21 ± 1.5	9 ± 1.7	27 ± 2.0	8 ± 1.8
333.0	3 ± 1.2	21 ± 2.6	8 ± 2.1	34 ± 4.2	4 ± 0.6
1000.0	1 ± 0.9	23 ± 1.9	3 ± 0.9	27 ± 3.0	9 ± 0.6
3333.0	1 ± 0.3 ^p	15 ± 1.2 ^p	6 ± 0.6 ^p	26 ± 1.8 ^p	3 ± 0.9 ^p
10000.0	0 ± 0.3 ^p		0 ± 0.0 ^p		0 ± 0.0 ^p
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ⁴			77 ± 39.2	281 ± 11.6	87 ± 15.4
Positive Control ³	601 ± 18.5	905 ± 26.1			

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Strain: TA1535

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	26 ± 1.5
33.0	27 ± 2.0
100.0	26 ± 3.5
333.0	23 ± 1.5
1000.0	26 ± 1.5
3333.0	27 ± 2.7 ^P
10000.0	
Trial Summary	Negative
Positive Control ⁴	311 ± 44.5
Positive Control ³	

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Strain: TA1537

Dose (ug/Plate)	Without S9	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control ¹	3 ± 1.2	12 ± 2.0	5 ± 1.5	7 ± 2.2	10 ± 1.7
3.3			9 ± 1.2		
10.0		2 ± 0.6	8 ± 1.0		
33.0		4 ± 1.7	5 ± 1.0		6 ± 1.5
100.0	4 ± 0.7	4 ± 1.5	6 ± 0.6	8 ± 1.9	5 ± 1.5
333.0	5 ± 1.5	2 ± 0.3	6 ± 1.5	6 ± 0.6	5 ± 1.2
1000.0	4 ± 2.0	5 ± 0.9	2 ± 0.7 ^p	6 ± 0.6	5 ± 1.2
3333.0	Toxic			4 ± 0.9 ^p	2 ± 0.6
10000.0	0 ± 0.0 ^p			0 ± 0.0 ^p	
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ⁴				145 ± 12.2	62 ± 8.3
Positive Control ⁵	777 ± 53.2	105 ± 19.1	139 ± 8.2		

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Strain: TA1537

Dose (ug/Plate)	With 10% Hamster S9	With 10% Hamster S9
Vehicle Control ¹	7 ± 0.7	9 ± 2.3
3.3		
10.0		
33.0		3 ± 0.6
100.0	8 ± 0.9	4 ± 0.0
333.0	5 ± 1.0	5 ± 0.9
1000.0	7 ± 0.6	5 ± 0.7
3333.0	3 ± 0.7 ^p	1 ± 0.3
10000.0	0 ± 0.0 ^p	
Trial Summary	Negative	Negative
Positive Control ⁴	95 ± 31.9	33 ± 3.3
Positive Control ⁵		

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Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	17 ± 1.0	30 ± 1.5	20 ± 2.6	8 ± 1.5	23 ± 2.5
100.0	19 ± 5.5	27 ± 1.7	19 ± 3.0	4 ± 0.3	20 ± 2.1
333.0	13 ± 0.0	25 ± 1.3	20 ± 3.3	8 ± 2.0	21 ± 1.5
1000.0	18 ± 4.7	25 ± 5.5	27 ± 1.5	7 ± 0.9	14 ± 0.9
3333.0	13 ± 0.9 ^P	30 ± 3.0 ^P	14 ± 1.3 ^P	7 ± 2.1 ^P	14 ± 1.8 ^P
10000.0	12 ± 7.9 ^P	7 ± 1.2 ^P	25 ± 2.6 ^P	7 ± 1.2 ^P	13 ± 7.0 ^P
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²			898 ± 47.1	555 ± 35.2	2121 ± 298.9
Positive Control ⁶	692 ± 56.0	234 ± 6.7			

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Strain: TA98

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	45 ± 4.7
100.0	35 ± 3.2
333.0	37 ± 1.5
1000.0	38 ± 1.5
3333.0	32 ± 3.8
10000.0	15 ± 1.5
Trial Summary	Negative
Positive Control ²	1180 ± 55.2
Positive Control ⁶	

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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 2-Aminoanthracene

3: 3.3 ug/Plate Sodium Azide

4: 2.0 ug/Plate 2-Aminoanthracene

5: 33.0 ug/Plate 9-Aminoacridine

6: 3.3 ug/Plate 4-Nitro-O-Phenylenediamine

p: Precipitate

**** END OF REPORT ****