

Experiment Number: 327868

Test Type: Genetic Toxicology - Bacterial  
Mutagenicity

**G06: Ames Summary Data**

Test Compound: Resorcine blue

CAS Number: 87495-30-5

Date Report Requested: 09/12/2018

Time Report Requested: 16:09:16

**NTP Study Number:**

327868

**Study Result:**

Negative

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Mutagenicity

## G06: Ames Summary Data

Test Compound: Resorcline blue

CAS Number: 87495-30-5

Date Report Requested: 09/12/2018

Time Report Requested: 16:09:16

## Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control <sup>1</sup>	122 ± 10.1	145 ± 7.9	133 ± 1.0	147 ± 3.0	136 ± 5.7
10.0	124 ± 3.0	148 ± 14.2			
33.0	120 ± 9.8	131 ± 3.2	127 ± 3.3	138 ± 2.7	124 ± 11.2
100.0	121 ± 8.7	134 ± 6.4	140 ± 5.6	127 ± 2.2	141 ± 3.6
333.0	129 ± 6.1	140 ± 4.7	140 ± 5.6	141 ± 5.7	144 ± 11.1
1000.0	134 ± 1.2 <sup>s</sup>	148 ± 7.6 <sup>s</sup>	146 ± 6.6	148 ± 8.7	133 ± 1.3
3333.0			139 ± 5.7 <sup>s</sup>	133 ± 3.5 <sup>s</sup>	158 ± 7.0 <sup>s</sup>
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>2</sup>					786 ± 4.5
Positive Control <sup>3</sup>			573 ± 29.8	824 ± 41.0	
Positive Control <sup>4</sup>	1066 ± 19.3	1123 ± 6.7			

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Strain: TA100

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Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control <sup>1</sup>	137 ± 2.8
10.0	
33.0	143 ± 8.5
100.0	139 ± 5.0
333.0	157 ± 9.5
1000.0	155 ± 3.5
3333.0	165 ± 8.2 <sup>s</sup>
Trial Summary	Negative
Positive Control <sup>2</sup>	1110 ± 29.7
Positive Control <sup>3</sup>	
Positive Control <sup>4</sup>	

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## G06: Ames Summary Data

Test Compound: Resorcline blue

CAS Number: 87495-30-5

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## Strain: TA1535

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control <sup>1</sup>	26 ± 2.3	26 ± 3.8	10 ± 2.2	13 ± 1.5	12 ± 1.0
3.3					
10.0	25 ± 0.9	25 ± 4.4			
33.0	27 ± 3.8	28 ± 3.2	11 ± 1.9	11 ± 0.9	
100.0	21 ± 2.9	20 ± 2.6	7 ± 1.5	11 ± 2.4	
333.0	23 ± 1.2	21 ± 2.3	11 ± 1.9	13 ± 3.5	11 ± 1.5
1000.0	19 ± 3.5 <sup>s</sup>	17 ± 2.3 <sup>s</sup>	11 ± 0.7	11 ± 3.0	14 ± 0.6
2000.0					18 ± 2.3
2500.0					15 ± 1.2
3000.0					17 ± 2.1
3333.0			22 ± 3.8 <sup>s</sup>	22 ± 3.1 <sup>s</sup>	
3500.0					23 ± 2.7 <sup>s</sup>
4000.0					18 ± 1.2 <sup>s</sup>
10000.0					
Trial Summary	Negative	Negative	Equivocal	Negative	Negative
Positive Control <sup>2</sup>					
Positive Control <sup>5</sup>					
Positive Control <sup>3</sup>			46 ± 4.3	47 ± 2.1	59 ± 3.6
Positive Control <sup>4</sup>	825 ± 48.2	903 ± 40.6			

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Test Compound: Resorcine blue

CAS Number: 87495-30-5

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## Strain: TA1535

Dose (ug/Plate)	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9	With 10% Hamster S9	With 10% Hamster S9
Vehicle Control <sup>1</sup>	9 ± 0.9	13 ± 0.3	13 ± 2.1	12 ± 2.2	10 ± 0.3
3.3		15 ± 3.5			
10.0		16 ± 1.9			
33.0		12 ± 1.0	14 ± 2.0	13 ± 2.4	
100.0		14 ± 0.6	8 ± 1.7	13 ± 0.0	
333.0	16 ± 1.3	11 ± 1.2	10 ± 1.2	9 ± 2.2	12 ± 2.9
1000.0	13 ± 0.7	12 ± 0.9	11 ± 0.6	14 ± 1.8	14 ± 1.0
2000.0	20 ± 1.8				22 ± 5.2
2500.0	22 ± 1.7				25 ± 1.7
3000.0	18 ± 2.6				22 ± 2.2
3333.0		16 ± 1.5	15 ± 1.2 <sup>s</sup>	19 ± 1.3 <sup>s</sup>	
3500.0	20 ± 1.2 <sup>s</sup>				23 ± 0.3 <sup>s</sup>
4000.0	20 ± 3.9 <sup>s</sup>				15 ± 1.3 <sup>s</sup>
10000.0		19 ± 4.8 <sup>x</sup>			
Trial Summary	Equivocal	Negative	Negative	Negative	Weakly Positive
Positive Control <sup>2</sup>			56 ± 1.2	69 ± 0.9	57 ± 5.0
Positive Control <sup>5</sup>		142 ± 7.2			
Positive Control <sup>3</sup>	56 ± 1.0				
Positive Control <sup>4</sup>					

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Strain: TA1535

Dose (ug/Plate)	With 10% Hamster S9	With 10% Hamster S9
Vehicle Control <sup>1</sup>	13 ± 1.5	15 ± 2.0
3.3		16 ± 3.5
10.0		13 ± 1.5
33.0		12 ± 0.3
100.0		16 ± 3.1
333.0	12 ± 3.0	14 ± 4.1
1000.0	15 ± 0.9	10 ± 1.7
2000.0	18 ± 3.5	
2500.0	31 ± 1.3	
3000.0	22 ± 2.2	
3333.0		18 ± 2.9
3500.0	24 ± 0.6 <sup>s</sup>	
4000.0	21 ± 3.1 <sup>s</sup>	
10000.0		20 ± 2.3 <sup>x</sup>
Trial Summary	Equivocal	Negative
Positive Control <sup>2</sup>	79 ± 4.2	
Positive Control <sup>5</sup>		165 ± 3.5
Positive Control <sup>3</sup>		
Positive Control <sup>4</sup>		

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## Strain: TA1537

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control <sup>1</sup>	4 ± 0.9	7 ± 1.7	9 ± 0.7	13 ± 2.4	6 ± 1.7
10.0	5 ± 0.7	5 ± 1.3			
33.0	7 ± 1.7	5 ± 0.9	10 ± 1.3	7 ± 1.3	7 ± 1.2
100.0	7 ± 1.5	9 ± 0.3	8 ± 1.2	8 ± 0.9	10 ± 1.8
333.0	9 ± 3.2	9 ± 2.7	4 ± 0.6	8 ± 1.2	9 ± 1.2
1000.0	7 ± 1.2 <sup>s</sup>	5 ± 1.5 <sup>s</sup>	9 ± 2.8	8 ± 0.9	8 ± 0.6
3333.0			8 ± 1.0 <sup>s</sup>	10 ± 2.6 <sup>s</sup>	5 ± 1.5 <sup>s</sup>
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>2</sup>					59 ± 4.5
Positive Control <sup>3</sup>			45 ± 2.9	70 ± 5.7	
Positive Control <sup>6</sup>	357 ± 31.4	464 ± 105.4			

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Strain: TA1537

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Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control <sup>1</sup>	10 ± 2.6
10.0	
33.0	15 ± 2.0
100.0	10 ± 1.5
333.0	8 ± 3.2
1000.0	9 ± 0.9
3333.0	6 ± 1.5
Trial Summary	Negative
Positive Control <sup>2</sup>	76 ± 7.2
Positive Control <sup>3</sup>	
Positive Control <sup>6</sup>	



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Time Report Requested: 16:09:16

## Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control <sup>1</sup>	14 ± 2.0	18 ± 3.4	23 ± 2.1	26 ± 2.4	30 ± 1.0
10.0	17 ± 1.7	17 ± 1.3			
33.0	18 ± 2.0	23 ± 0.9	26 ± 2.6	27 ± 1.9	30 ± 1.5
100.0	14 ± 2.6	19 ± 2.9	27 ± 2.8	32 ± 3.3	26 ± 1.5
333.0	13 ± 2.0	16 ± 5.2	17 ± 0.3	24 ± 3.3	21 ± 1.7
1000.0	17 ± 2.3 <sup>s</sup>	16 ± 3.3	19 ± 1.0	23 ± 0.7	19 ± 2.0
3333.0			20 ± 2.6 <sup>s</sup>	30 ± 1.5	16 ± 1.5 <sup>s</sup>
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>2</sup>					664 ± 10.9
Positive Control <sup>3</sup>			406 ± 28.8	745 ± 7.9	
Positive Control <sup>7</sup>	1305 ± 35.0	1285 ± 41.0			

Experiment Number: 327868

Test Type: Genetic Toxicology - Bacterial  
Mutagenicity

G06: Ames Summary Data

Test Compound: Resorcine blue

CAS Number: 87495-30-5

Date Report Requested: 09/12/2018

Time Report Requested: 16:09:16

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Strain: TA98

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Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control <sup>1</sup>	33 ± 3.5
10.0	
33.0	32 ± 4.9
100.0	35 ± 0.9
333.0	29 ± 2.3
1000.0	20 ± 1.2
3333.0	23 ± 0.3
Trial Summary	Negative
Positive Control <sup>2</sup>	1042 ± 25.0
Positive Control <sup>3</sup>	
Positive Control <sup>7</sup>	

Experiment Number: 327868

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

**G06: Ames Summary Data**

Test Compound: **Resorcine blue**

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

Date Report Requested: **09/12/2018**

Time Report Requested: **16:09:16**

### **LEGEND**

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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: 0.75 ug/Plate 2-Aminoanthracene

3: 1.5 ug/Plate 2-Aminoanthracene

4: 2.5 ug/Plate Sodium Azide

5: 1.0 ug/Plate 2-Aminoanthracene

6: 80.0 ug/Plate 9-Aminoacridine

7: 12.0 ug/Plate 4-Nitro-O-Phenylenediamine

s: Slight Toxicity

x: Slight Toxicity and Precipitate

**\*\* END OF REPORT \*\***