

Experiment Number: 563294

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

**G06: Ames Summary Data**

Test Compound: **Divinylbenzene**

CAS Number: 1321-74-0

Date Report Requested: **09/13/2018**

Time Report Requested: **22:53:28**

**NTP Study Number:**

563294

**Study Result:**

Negative

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## G06: Ames Summary Data

Test Compound: Divinylbenzene

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Date Report Requested: 09/13/2018

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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 <sup>1</sup>	118 ± 12.3	78 ± 3.4	105 ± 8.5	99 ± 0.3	111 ± 1.8
0.3		88 ± 4.2			
1.0	111 ± 20.0	84 ± 8.0			
3.0	111 ± 5.3	89 ± 11.9			
10.0	102 ± 14.1	100 ± 11.0	113 ± 8.5	100 ± 0.9	102 ± 7.0
33.0	96 ± 13.6	95 ± 14.9	95 ± 4.1	105 ± 4.5	123 ± 5.0
100.0	82 ± 3.6 <sup>s</sup>		103 ± 14.0	101 ± 0.7	111 ± 0.3
333.0			106 ± 3.2	87 ± 0.3	88 ± 2.3
666.0				80 ± 6.9 <sup>s</sup>	
1000.0			48 ± 24.7 <sup>s</sup>		7 ± 7.0 <sup>s</sup>
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>2</sup>			922 ± 112.2	438 ± 5.6	1784 ± 26.1
Positive Control <sup>3</sup>	383 ± 14.9	208 ± 16.4			

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Strain: TA100

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Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control <sup>1</sup>	95 ± 5.3
0.3	
1.0	
3.0	
10.0	107 ± 4.2
33.0	97 ± 8.1
100.0	103 ± 8.3
333.0	98 ± 5.0
666.0	91 ± 7.0 <sup>s</sup>
1000.0	
Trial Summary	Negative
Positive Control <sup>2</sup>	1024 ± 61.8
Positive Control <sup>3</sup>	

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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 <sup>1</sup>	36 ± 1.9	20 ± 3.2	13 ± 3.5	7 ± 0.7	11 ± 2.1
0.3		18 ± 4.2			
1.0	26 ± 5.5	12 ± 4.4			
3.0	25 ± 2.9	16 ± 1.5			
10.0	24 ± 6.0	15 ± 2.5	8 ± 0.9	6 ± 0.0	7 ± 0.6
33.0	11 ± 4.2	8 ± 3.2	9 ± 2.7	6 ± 0.0	6 ± 0.6
100.0	0 ± 0.0 <sup>s</sup>		7 ± 1.0	7 ± 0.3	8 ± 2.7
333.0			6 ± 1.2	7 ± 0.3	6 ± 1.2
666.0				3 ± 0.9 <sup>s</sup>	
1000.0			0 ± 0.0 <sup>s</sup>		0 ± 0.0 <sup>s</sup>
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>3</sup>	395 ± 21.7	250 ± 13.5			
Positive Control <sup>4</sup>			211 ± 18.1	158 ± 11.5	492 ± 17.2

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G06: Ames Summary Data  
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Strain: TA1535

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Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control <sup>1</sup>	7 ± 0.6
0.3	
1.0	
3.0	
10.0	7 ± 3.0
33.0	7 ± 1.2
100.0	6 ± 3.2
333.0	4 ± 0.6
666.0	5 ± 1.2 <sup>s</sup>
1000.0	
Trial Summary	Negative
Positive Control <sup>3</sup>	
Positive Control <sup>4</sup>	351 ± 10.4

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Test Compound: Divinylbenzene

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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	5 ± 0.0	7 ± 0.3	4 ± 0.9	9 ± 0.9
0.3		5 ± 1.2			
1.0	6 ± 0.6	4 ± 1.2			
3.0	7 ± 0.7	4 ± 1.2			
10.0	6 ± 2.0	7 ± 0.3	8 ± 0.9	6 ± 1.5	7 ± 2.1
33.0	4 ± 0.7	5 ± 0.3	6 ± 1.5	7 ± 0.6	5 ± 0.7
100.0	0 ± 0.0 <sup>s</sup>		5 ± 0.7	7 ± 1.8	6 ± 1.2
333.0			6 ± 0.3	5 ± 0.0	6 ± 0.3
666.0				4 ± 2.1 <sup>s</sup>	
1000.0			0 ± 0.0 <sup>s</sup>		0 ± 0.0 <sup>s</sup>
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>4</sup>			132 ± 20.3	114 ± 5.7	408 ± 11.7
Positive Control <sup>5</sup>	186 ± 19.4	157 ± 28.2			

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Strain: TA1537

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Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control <sup>1</sup>	5 ± 1.0
0.3	
1.0	
3.0	
10.0	6 ± 1.0
33.0	6 ± 2.0
100.0	4 ± 1.2
333.0	5 ± 1.2
666.0	5 ± 0.9 <sup>s</sup>
1000.0	
Trial Summary	Negative
Positive Control <sup>4</sup>	354 ± 22.2
Positive Control <sup>5</sup>	

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## G06: Ames Summary Data

Test Compound: Divinylbenzene

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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 <sup>1</sup>	21 ± 1.5	16 ± 1.2	23 ± 2.3	20 ± 1.3	36 ± 2.5
0.3		15 ± 0.6			
1.0	17 ± 1.5	13 ± 0.9			
3.0	14 ± 1.2	14 ± 0.9			
10.0	12 ± 2.2	11 ± 2.1	20 ± 1.9	22 ± 3.1	26 ± 2.7
33.0	9 ± 2.4	15 ± 1.7	32 ± 3.0	22 ± 1.8	29 ± 1.2
100.0	0 ± 0.0 <sup>s</sup>		25 ± 3.5	18 ± 2.1	24 ± 2.0
333.0			25 ± 2.0	25 ± 3.4	29 ± 2.1
666.0				17 ± 1.7 <sup>s</sup>	
1000.0			0 ± 0.0 <sup>s</sup>		0 ± 0.0 <sup>s</sup>
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>2</sup>			867 ± 11.9		1629 ± 25.7
Positive Control <sup>4</sup>				386 ± 14.6	
Positive Control <sup>6</sup>	475 ± 5.4	325 ± 9.7			



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Strain: TA98

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Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control <sup>1</sup>	36 ± 3.1
0.3	
1.0	
3.0	
10.0	30 ± 4.2
33.0	24 ± 2.0
100.0	19 ± 3.5
333.0	24 ± 7.9
666.0	15 ± 1.5 <sup>s</sup>
1000.0	
Trial Summary	Negative
Positive Control <sup>2</sup>	948 ± 61.4
Positive Control <sup>4</sup>	
Positive Control <sup>6</sup>	

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### **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: 1.0 ug/Plate 2-Aminoanthracene

3: 1.0 ug/Plate Sodium Azide

4: 2.5 ug/Plate 2-Aminoanthracene

5: 50.0 ug/Plate 9-Aminoacridine

6: 5.0 ug/Plate 4-Nitro-O-Phenylenediamine

s: Slight Toxicity

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