

Experiment Number: A29919

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

**G06: Ames Summary Data**

Test Compound: **Abscisic acid**

CAS Number: **14375-45-2**

Date Report Requested: **09/16/2018**

Time Report Requested: **15:07:54**

**NTP Study Number:**

A29919

**Study Result:**

Negative

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**G06: Ames Summary Data**

Date Report Requested: 09/16/2018

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CAS Number: 14375-45-2

**Strain: TA100**

<b>Dose (ug/Plate)</b>	<b>Without S9</b>	<b>Without S9</b>	<b>With 10% Rat S9</b>	<b>With 10% Rat S9</b>	<b>With 10% Rat S9</b>
Vehicle Control <sup>1</sup>	50 ± 4.4	74 ± 1.8	66 ± 9.9	185 ± 7.3	53 ± 5.1
200.0	36 ± 1.2	56 ± 3.0			
400.0	62 ± 5.2	57 ± 4.7			
600.0	43 ± 3.8	45 ± 1.9			
800.0	37 ± 11.6	60 ± 3.2			
1000.0	8 ± 2.0	18 ± 4.3			
2000.0			72 ± 8.3	177 ± 10.0	65 ± 4.4
4000.0			62 ± 1.9	205 ± 11.8	61 ± 9.6
6000.0			58 ± 2.7	207 ± 13.1	57 ± 9.1
8000.0			60 ± 5.2	169 ± 10.0	60 ± 1.5
10000.0			79 ± 12.3	169 ± 2.3	61 ± 7.2
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>2</sup>	318 ± 30.4	277 ± 11.3			
Positive Control <sup>3</sup>			589 ± 17.5		784 ± 162.7
Positive Control <sup>4</sup>				940 ± 47.2	

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## Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control <sup>1</sup>	13 ± 4.0	16 ± 3.7	25 ± 2.9	27 ± 5.4
200.0	20 ± 1.5	20 ± 1.2		
400.0	12 ± 1.5	19 ± 2.3		
600.0	17 ± 1.3	22 ± 3.8		
800.0	8 ± 0.9	18 ± 2.0		
1000.0	9 ± 1.9	16 ± 4.4		
2000.0			26 ± 4.5	27 ± 3.8
4000.0			25 ± 4.4	31 ± 3.8
6000.0			17 ± 1.7	26 ± 3.1
8000.0			20 ± 2.1	25 ± 7.4
10000.0			23 ± 5.3	28 ± 2.7
Trial Summary	Negative	Negative	Negative	Negative
Positive Control <sup>3</sup>			917 ± 45.2	830 ± 46.4
Positive Control <sup>5</sup>	582 ± 41.7	433 ± 27.2		

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**Strain: E. coli WP2 uvrA pKM101**

<b>Dose (ug/Plate)</b>	<b>Without S9</b>	<b>Without S9</b>	<b>With 10% Rat S9</b>
Vehicle Control <sup>1</sup>	140 ± 4.5	175 ± 19.0	179 ± 18.3
100.0	174 ± 14.0		
500.0	158 ± 4.3	121 ± 9.8	
1000.0	116 ± 4.7	88 ± 5.2	
2000.0	98 ± 11.6	64 ± 15.6	172 ± 12.0
3000.0		51 ± 8.0	
4000.0	40 ± 4.1	52 ± 13.7	172 ± 3.5
6000.0	31 ± 4.5		186 ± 10.6
8000.0	29 ± 7.8		191 ± 10.2
10000.0	143 ± 44.2		171 ± 9.0
Trial Summary	Negative	Negative	Negative
Positive Control <sup>4</sup>			975 ± 129.1
Positive Control <sup>6</sup>	2122 ± 56.9	1361 ± 188.5	

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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 Sodium Azide
- 3: 2.5 ug/Plate 2-Aminoanthracene
- 4: 20.0 ug/Plate 2-Aminoanthracene
- 5: 5.0 ug/Plate 2-Nitrofluorene
- 6: 4000.0 ug/Plate Methyl Methane Sulfonate

\*\* END OF REPORT \*\*