

Experiment Number: **G03041**

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

**G06: Ames Summary Data**

Test Compound: **Aloe vera whole leaf extract (native)**

CAS Number: **ALOEVLEAFEXT**

Date Report Requested: **09/15/2018**

Time Report Requested: **18:15:32**

**NTP Study Number:**

G03041

**Study Result:**

Negative

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<b>Strain: TA100</b>				
<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>
Vehicle Control <sup>1</sup>	116 ± 11.4	107 ± 2.8	112 ± 9.5	101 ± 2.0
12.5		114 ± 1.9		105 ± 6.4
50.0		113 ± 6.9		95 ± 9.8
125.0		114 ± 8.7		101 ± 6.9
500.0		100 ± 7.2		104 ± 3.8
1000.0	109 ± 9.8		104 ± 3.8	
1500.0		111 ± 7.8		110 ± 2.6
2000.0	94 ± 1.9 <sup>P</sup>		109 ± 2.6	
3000.0	111 ± 6.1 <sup>P</sup>		120 ± 4.6	
4000.0	96 ± 5.2 <sup>P</sup>		125 ± 3.9	
5000.0	90 ± 10.4 <sup>P</sup>		118 ± 7.5	
6000.0	115 ± 7.4 <sup>P</sup>	109 ± 8.3 <sup>P</sup>	131 ± 5.5	110 ± 6.6
Trial Summary	Negative	Negative	Negative	Negative
Positive Control <sup>2</sup>	556 ± 17.4	2233 ± 58.0		
Positive Control <sup>3</sup>			606 ± 36.4	2819 ± 170.5

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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>	22 ± 5.5	16 ± 2.3	36 ± 2.7	29 ± 6.6
12.5		18 ± 1.3		35 ± 4.3
50.0		17 ± 5.4		31 ± 4.0
125.0		18 ± 1.8		28 ± 5.6
500.0		14 ± 1.7		27 ± 3.0
1000.0	23 ± 3.5 <sup>p</sup>		45 ± 4.7	
1500.0		24 ± 3.2		35 ± 1.2
2000.0	31 ± 0.3 <sup>p</sup>		37 ± 3.5	
3000.0	24 ± 4.4 <sup>p</sup>		40 ± 4.2	
4000.0	24 ± 2.7 <sup>p</sup>		33 ± 1.9	
5000.0	25 ± 4.9 <sup>p</sup>		38 ± 2.8	
6000.0	42 ± 2.0 <sup>p</sup>	21 ± 3.0 <sup>p</sup>	41 ± 3.7	30 ± 2.4
Trial Summary	Negative	Negative	Negative	Negative
Positive Control <sup>4</sup>			400 ± 25.1	1162 ± 151.1
Positive Control <sup>5</sup>	476 ± 58.0	553 ± 35.5		

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## Strain: E. coli WP2 uvrA pKM101

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control <sup>1</sup>	152 ± 22.1	147 ± 7.2	194 ± 8.5	164 ± 7.4
12.5		149 ± 9.3		182 ± 10.8
50.0		163 ± 7.4		177 ± 6.4
125.0		160 ± 13.7		183 ± 7.4
500.0		158 ± 17.0		177 ± 1.2
1000.0	174 ± 2.7		219 ± 8.3	
1500.0		156 ± 2.7		170 ± 4.1
2000.0	172 ± 5.3 <sup>P</sup>		229 ± 0.9	
3000.0	189 ± 7.8 <sup>P</sup>		225 ± 11.3	
4000.0	181 ± 28.2 <sup>P</sup>		251 ± 9.3	
5000.0	194 ± 7.6 <sup>P</sup>		229 ± 13.0	
6000.0	202 ± 19.0 <sup>P</sup>	158 ± 3.8 <sup>P</sup>	247 ± 13.0	202 ± 3.5
Trial Summary	Equivocal	Negative	Negative	Negative
Positive Control <sup>6</sup>			430 ± 26.3	
Positive Control <sup>7</sup>				1179 ± 13.6
Positive Control <sup>8</sup>		1009 ± 14.4		
Positive Control <sup>9</sup>	3240 ± 67.8			

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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: Distilled Water

2: 1.0 ug/Plate Sodium Azide

3: 5.0 ug/Plate 2-Aminoanthracene

4: 2.0 ug/Plate 2-Aminoanthracene

5: 3.0 ug/Plate 2-Nitrofluorene

6: 10.0 ug/Plate 2-Aminoanthracene

7: 20.0 ug/Plate 2-Aminoanthracene

8: 100.0 ug/Plate Methyl Methane Sulfonate

9: 400.0 ug/Plate Methyl Methane Sulfonate

p: Precipitate

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