

Experiment Number: **G18030B**

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

**G06: Ames Summary Data**

Test Compound: **Touchdown Total**

CAS Number: **TOUCHDOWN**

Date Report Requested: **08/17/2021**

Time Report Requested: **16:59:47**

**NTP Study Number:**

G18030B

**Study Result:**

Negative

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Strain: TA100				
Dose (dilution)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control <sup>1</sup>	83.3 ± 5.8	89.7 ± 5.2	74.7 ± 4.8	107.3 ± 3.2
1:51200	89.7 ± 1.9	108.7 ± 4.6		
1:25600	80.7 ± 5.0	97.7 ± 3.8		
1:12800	71.7 ± 5.0	84.3 ± 10.8	77 ± 3.8	117 ± 9.0
1:6400	59.3 ± 7.1	66 ± 6.6	74 ± 5.1	112.3 ± 9.6
1:3200	0 ± 0.0	0 ± 0.0	88 ± 10.8	107.3 ± 9.7
1:1600	0 ± 0.0	0.7 ± 0.7 <sup>s</sup>	65 ± 5.6	71.3 ± 3.4
1:800			62.7 ± 3.0	0 ± 0.0
1:400			0 ± 0.0	0 ± 0.0
Trial Summary	Negative	Negative	Negative	Negative
Positive Control <sup>2</sup>	606.7 ± 13.1	624 ± 28.3		
Positive Control <sup>3</sup>			659.3 ± 87.4	710.3 ± 26.8

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**Strain: TA1535**

<b>Dose (dilution)</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>	9.7 ± 1.5	14.3 ± 3.2	9.3 ± 2.4	11 ± 2.5
1:51200	11.3 ± 1.5	11.7 ± 2.2		
1:25600	11.3 ± 0.7	11 ± 2.1		
1:12800	12.7 ± 3.3	13 ± 2.0	14.3 ± 1.7	14.3 ± 1.9
1:6400	9 ± 1.0	9 ± 3.6	11.7 ± 0.3	15.3 ± 2.7
1:3200	4 ± 2.3	3 ± 2.1	9.3 ± 0.3	14.3 ± 5.0
1:1600	0 ± 0.0	3 ± 3.0	16 ± 4.0	13 ± 2.6
1:800			16.3 ± 4.3	5 ± 1.0
1:400			0 ± 0.0	0 ± 0.0
Trial Summary	Negative	Negative	Negative	Negative
Positive Control <sup>2</sup>	704.7 ± 22.3	385 ± 12.5		
Positive Control <sup>4</sup>			338.3 ± 77.4	311 ± 5.0

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Strain: TA97a				
Dose (dilution)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control <sup>1</sup>	121.3 ± 2.2	107 ± 4.0	155.3 ± 6.4	173.3 ± 13.0
1:51200	151.7 ± 15.6	133 ± 9.5		
1:25600	122 ± 2.6	139 ± 10.5		
1:12800	97 ± 7.8	124.3 ± 5.4	169.7 ± 16.0	148.7 ± 5.2
1:6400	38.3 ± 19.8	88 ± 9.2	173 ± 8.3	171.7 ± 15.2
1:3200	0 ± 0.0	0 ± 0.0	153.7 ± 11.6	176 ± 5.5
1:1600	0 ± 0.0	2.3 ± 1.2	150 ± 6.7	155 ± 1.2
1:800			47 ± 2.1	46 ± 6.8
1:400			0 ± 0.0	0.7 ± 0.7 <sup>s</sup>
Trial Summary	Negative	Negative	Negative	Negative
Positive Control <sup>5</sup>	3109.3 ± 124.8	3149 ± 133.0		
Positive Control <sup>4</sup>			2179.7 ± 13.3	2149.3 ± 125.3

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## Strain: TA98

Dose (dilution)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control <sup>1</sup>	44 ± 4.2	29.7 ± 1.2	41.3 ± 2.8	42.3 ± 8.3
1:51200	44 ± 3.6	32.3 ± 4.9		
1:25600	43 ± 2.0	24.7 ± 1.3		
1:12800	33.7 ± 2.0	37.3 ± 6.8	72 ± 3.6	27.3 ± 3.2
1:6400	9.3 ± 0.7	13 ± 2.1	32.7 ± 0.3	31 ± 3.5
1:3200	0 ± 0.0	0 ± 0.0	49.3 ± 2.3	40.3 ± 6.4
1:1600	0 ± 0.0	0 ± 0.0	41.7 ± 7.4	32.7 ± 4.4
1:800			38 ± 5.2	13.7 ± 2.0
1:400			29.7 ± 1.3	0 ± 0.0
Trial Summary	Negative	Negative	Equivocal	Negative
Positive Control <sup>6</sup>			2239.3 ± 95.9	1983.7 ± 94.4
Positive Control <sup>7</sup>	587.7 ± 16.3	331.3 ± 14.3		

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## Strain: E. coli WP2 uvrA pKM101

Dose (dilution)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control <sup>1</sup>	133 ± 3.1	160.7 ± 5.2	154.3 ± 9.5	233.3 ± 14.1
1:3200	99.3 ± 10.8	144 ± 15.3	150.7 ± 6.8	217.7 ± 3.2
1:1600	117.7 ± 3.4	196.7 ± 3.0	167.3 ± 12.1	160 ± 16.7
1:800	87.7 ± 6.7	104.7 ± 7.8	148.7 ± 7.8	152 ± 5.8
1:400	56.7 ± 7.0	69.3 ± 3.3	132.7 ± 6.9	162 ± 7.9
1:200	0 ± 0.0	0 ± 0.0	84.3 ± 4.3	99.7 ± 7.3
1:100	0 ± 0.0	0 ± 0.0	0 ± 0.0	0 ± 0.0
Trial Summary	Negative	Negative	Negative	Negative
Positive Control <sup>8</sup>	3083 ± 69.0	2796.7 ± 81.8		
Positive Control <sup>9</sup>			1091.7 ± 115.7	1193.3 ± 9.1

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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

The S9 fraction refers to the liver unless otherwise indicated

1: Vehicle Control: Water

2: 1 ug/plate Sodium Azide

3: 2 ug/plate Benzo[a]pyrene

4: 2.5 ug/plate 2-Aminoanthracene

5: 0.25 ug/plate ICR191

6: 2 ug/plate 2-Aminoanthracene

7: 3 ug/plate 2-Nitrofluorene

8: 0.25 ug/plate 4-Nitroquinoline-N-oxide

9: 20 ug/plate 2-Aminoanthracene

s: Slight Toxicity

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