

Experiment Number: **A64828**

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

**G06: Ames Summary Data**

Test Compound: **Hexanoic acid**

CAS Number: **142-62-1**

Date Report Requested: **09/17/2018**

Time Report Requested: **09:45:02**

**NTP Study Number:**

A64828

**Study Result:**

Negative

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**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>
Vehicle Control <sup>1</sup>	56 ± 6.4	50 ± 3.8	53 ± 7.8	53 ± 3.0
1000.0	51 ± 3.5	51 ± 5.2	45 ± 1.2	53 ± 5.9
2500.0	51 ± 1.2	45 ± 3.1	50 ± 5.0	47 ± 4.1
5000.0	57 ± 1.2	59 ± 3.5	43 ± 2.9	41 ± 2.6
7500.0	47 ± 4.9	52 ± 0.3	57 ± 1.2	43 ± 2.9
10000.0	51 ± 2.9	51 ± 8.1	61 ± 3.2	60 ± 11.3
Trial Summary	Negative	Negative	Negative	Negative
Positive Control <sup>2</sup>	203 ± 20.8	211 ± 10.7		
Positive Control <sup>3</sup>			745 ± 61.4	719 ± 48.6

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**Strain: TA98**

<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>	17 ± 2.5	18 ± 4.3	18 ± 2.5	28 ± 3.7
1000.0	12 ± 0.6	15 ± 1.2	14 ± 1.5	19 ± 0.9
2500.0	5 ± 1.0	7 ± 1.5	12 ± 1.2	14 ± 0.7
5000.0	8 ± 2.0	19 ± 2.3	20 ± 3.8	22 ± 0.7
7500.0	9 ± 1.3	16 ± 1.5	14 ± 0.9	24 ± 2.0
10000.0	6 ± 0.7	18 ± 2.1	13 ± 0.3	19 ± 4.4
Trial Summary	Negative	Negative	Negative	Negative
Positive Control <sup>3</sup>			992 ± 26.7	790 ± 13.3
Positive Control <sup>4</sup>	218 ± 22.7	516 ± 13.8		

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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>	<b>With 10% Rat S9</b>
Vehicle Control <sup>1</sup>	205 ± 20.2	233 ± 11.1	216 ± 5.7	257 ± 5.4
1000.0	177 ± 11.9	242 ± 15.6	231 ± 12.1	261 ± 15.6
2500.0	179 ± 7.5	224 ± 7.1	242 ± 6.4	251 ± 1.2
5000.0	137 ± 16.0	209 ± 3.5	210 ± 17.5	244 ± 8.7
7500.0	179 ± 5.2	225 ± 9.4	208 ± 11.3	270 ± 11.0
10000.0	194 ± 21.8	242 ± 16.5	247 ± 19.0	281 ± 18.2
Trial Summary	Negative	Negative	Negative	Negative
Positive Control <sup>5</sup>			561 ± 51.7	728 ± 91.8
Positive Control <sup>6</sup>	444 ± 46.8	687 ± 34.3		

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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: 5.0 ug/Plate 2-Nitrofluorene

5: 20.0 ug/Plate 2-Aminoanthracene

6: 4000.0 ug/Plate Methyl Methane Sulfonate

\*\* END OF REPORT \*\*