

Experiment Number: A45121

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

**G06: Ames Summary Data**

Test Compound: **1,1,2,2-Tetrahydroperfluoro-1-dodecanol**

CAS Number: **865-86-1**

Date Report Requested: **09/18/2018**

Time Report Requested: **10:03:16**

**NTP Study Number:**

A45121

**Study Result:**

Negative

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## Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control <sup>1</sup>	61 ± 2.6	50 ± 3.8	73 ± 5.0	50 ± 4.9
1000.0	56 ± 7.1	44 ± 3.3	49 ± 3.0	44 ± 2.0
2500.0	57 ± 0.6	49 ± 0.3	50 ± 5.6	41 ± 4.3
5000.0	60 ± 2.3	44 ± 3.2	45 ± 3.1	51 ± 4.2
7500.0	55 ± 4.5	58 ± 5.5	45 ± 4.3	53 ± 1.5
10000.0	63 ± 3.0	39 ± 11.5	49 ± 6.2	49 ± 3.8
Trial Summary	Negative	Negative	Negative	Negative
Positive Control <sup>2</sup>	269 ± 2.7	211 ± 10.7		
Positive Control <sup>3</sup>			915 ± 29.2	
Positive Control <sup>4</sup>				719 ± 48.6

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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>	17 ± 2.5	18 ± 4.3	18 ± 2.5	28 ± 3.7
1000.0	15 ± 2.9	19 ± 3.5	26 ± 3.9	23 ± 3.9
2500.0	13 ± 1.0	19 ± 3.7	22 ± 1.2	21 ± 4.1
5000.0	14 ± 1.2	21 ± 1.2	22 ± 1.7	21 ± 1.2
7500.0	13 ± 2.4	18 ± 1.8	24 ± 2.1	23 ± 1.2
10000.0	19 ± 1.5	19 ± 3.1	24 ± 2.9	22 ± 3.2
Trial Summary	Negative	Negative	Negative	Negative
Positive Control <sup>4</sup>			992 ± 26.7	790 ± 13.3
Positive Control <sup>5</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>	226 ± 9.3	233 ± 11.1	248 ± 8.1	257 ± 5.4
1000.0	234 ± 6.5	206 ± 3.6	250 ± 6.4	210 ± 39.9
2500.0	230 ± 1.0	223 ± 8.1	239 ± 15.2	250 ± 12.2
5000.0	214 ± 2.8	203 ± 11.3	241 ± 7.8	258 ± 11.6
7500.0	235 ± 9.9	201 ± 15.1	246 ± 4.1	269 ± 3.2
10000.0	235 ± 7.9	215 ± 3.4	256 ± 2.9	248 ± 7.8
Trial Summary	Negative	Negative	Negative	Negative
Positive Control <sup>6</sup>			765 ± 37.4	728 ± 91.8
Positive Control <sup>7</sup>	624 ± 7.8	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 nmoles/L 2-Aminoanthracene

4: 2.5 ug/Plate 2-Aminoanthracene

5: 5.0 ug/Plate 2-Nitrofluorene

6: 20.0 ug/Plate 2-Aminoanthracene

7: 4000.0 ug/Plate Methyl Methane Sulfonate

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