

Experiment Number: **G14011B**

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

**G06: Ames Summary Data**

Test Compound: **Propylene glycol phenyl ether**

CAS Number: **770-35-4**

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

Time Report Requested: **04:00:41**

**NTP Study Number:**

G14011B

**Study Result:**

Negative

Experiment Number: G14011B

Test Type: Genetic Toxicology - Bacterial  
Mutagenicity

## G06: Ames Summary Data

Test Compound: Propylene glycol phenyl ether  
CAS Number: 770-35-4

Date Report Requested: 09/16/2018

Time Report Requested: 04:00:41

## Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control <sup>1</sup>	83 ± 6.0	71 ± 9.0	92 ± 5.8	93 ± 1.0
300.0	75 ± 4.5	75 ± 2.7	91 ± 13.4	77 ± 9.0
500.0	83 ± 2.6	66 ± 4.1	84 ± 3.0	77 ± 5.4
750.0	76 ± 3.4	71 ± 9.3	88 ± 1.5	71 ± 2.5
1000.0	86 ± 5.0	83 ± 2.5	88 ± 3.8	81 ± 4.7
2000.0	92 ± 4.8	78 ± 2.3	97 ± 12.7	73 ± 5.5
3000.0	86 ± 8.7	65 ± 4.1	96 ± 5.2	71 ± 1.0
5000.0	45 ± 18.2 <sup>s</sup>	35 ± 9.2 <sup>s</sup>	73 ± 5.9	55 ± 7.7
Trial Summary	Negative	Negative	Negative	Negative
Positive Control <sup>2</sup>	463 ± 10.4	484 ± 28.8		
Positive Control <sup>3</sup>			454 ± 22.6	665 ± 12.4

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MutagenicityTest Compound: Propylene glycol phenyl ether  
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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>	18 ± 0.6	12 ± 1.2	27 ± 1.9	21 ± 2.3
300.0	17 ± 2.3	16 ± 2.9	21 ± 2.8	23 ± 1.2
500.0	13 ± 1.0	13 ± 1.8	21 ± 1.2	20 ± 1.2
750.0	16 ± 1.5	14 ± 2.0	20 ± 4.4	17 ± 0.9
1000.0	20 ± 1.0	18 ± 2.5	22 ± 2.6	22 ± 0.6
2000.0	18 ± 1.8	16 ± 1.5	19 ± 4.7	23 ± 2.0
3000.0	21 ± 2.6	18 ± 0.0	14 ± 1.7	15 ± 1.7
5000.0	14 ± 1.8	11 ± 3.8	16 ± 4.6	16 ± 3.5
Trial Summary	Negative	Negative	Negative	Negative
Positive Control <sup>4</sup>			1604 ± 70.9	1157 ± 116.2
Positive Control <sup>5</sup>	791 ± 28.2	635 ± 34.5		

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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>	137 ± 6.5	110 ± 7.9	156 ± 4.5	151 ± 7.5
300.0	137 ± 4.4	122 ± 9.8	149 ± 7.4	133 ± 12.8
500.0	130 ± 9.3	109 ± 11.3	154 ± 16.0	131 ± 6.0
750.0	110 ± 4.3	112 ± 10.4	155 ± 2.3	134 ± 5.2
1000.0	118 ± 8.8	107 ± 6.5	145 ± 1.2	124 ± 6.4
2000.0	94 ± 2.6	100 ± 10.0	126 ± 2.9	119 ± 0.6
3000.0	94 ± 12.8	76 ± 7.1	110 ± 7.4	95 ± 7.8
5000.0	81 ± 5.6	61 ± 5.9	97 ± 5.6	74 ± 10.6 <sup>s</sup>
Trial Summary	Negative	Negative	Negative	Negative
Positive Control <sup>6</sup>	1608 ± 52.5	1552 ± 111.2		
Positive Control <sup>7</sup>			1061 ± 35.1	1016 ± 62.7

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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: 2.0 ug/Plate Other Positive Control

4: 2.0 ug/Plate 2-Aminoanthracene

5: 3.0 ug/Plate 2-Nitrofluorene

6: 0.25 ug/Plate Other Positive Control

7: 20.0 ug/Plate 2-Aminoanthracene

s: Slight Toxicity

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