

Experiment Number: A40505

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: Propylene glycol mono-t-butyl ether

CAS Number: 57018-52-7

Date Report Requested: 09/16/2018

Time Report Requested: 21:45:16

NTP Study Number:

A40505

Study Result:

Positive

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Test Compound: Propylene glycol mono-t-butyl ether
CAS Number: 57018-52-7

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Strain: TA100

Dose (ug/Plate)	Without S9	With 30% Rat S9	With 30% Hamster S9
Vehicle Control ¹	104 ± 5.7	121 ± 3.2	123 ± 8.7
100.0	91 ± 3.2	114 ± 3.2	116 ± 1.7
333.0	107 ± 1.3	122 ± 6.5	122 ± 2.8
1000.0	98 ± 8.1	127 ± 1.5	139 ± 3.6
3333.0	106 ± 4.9	116 ± 7.0	125 ± 6.7
10000.0	103 ± 3.5	114 ± 2.4	121 ± 7.9
Trial Summary	Negative	Negative	Negative
Positive Control ²			828 ± 40.1
Positive Control ³		907 ± 102.3	
Positive Control ⁴	850 ± 31.7		

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Strain: TA1535

Dose (ug/Plate)	Without S9	With 30% Rat S9	With 30% Hamster S9
Vehicle Control ¹	10 ± 1.7	10 ± 1.8	11 ± 1.8
100.0	7 ± 0.9	13 ± 1.5	10 ± 1.2
333.0	7 ± 0.6	8 ± 0.6	8 ± 2.0
1000.0	6 ± 0.3	6 ± 0.7	8 ± 1.2
3333.0	7 ± 1.5	8 ± 1.0	10 ± 2.0
10000.0	3 ± 0.6 ^s	9 ± 0.6	7 ± 1.2
Trial Summary	Negative	Negative	Negative
Positive Control ³			564 ± 16.1
Positive Control ⁴	1347 ± 22.8		
Positive Control ⁵		246 ± 13.6	

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Strain: TA1537

Dose (ug/Plate)	Without S9
Vehicle Control ¹	9 ± 2.5
100.0	12 ± 0.9
333.0	12 ± 0.9
1000.0	12 ± 1.9
3333.0	11 ± 3.8
10000.0	9 ± 2.8
Trial Summary	Negative
Positive Control ⁶	224 ± 10.0

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Test Compound: Propylene glycol mono-t-butyl ether
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Date Report Requested: 09/16/2018

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Strain: TA97

Dose (ug/Plate)	Without S9	Without S9	With 30% Rat S9	With 30% Hamster S9
Vehicle Control ¹	135 ± 3.8	149 ± 0.3	157 ± 6.4	170 ± 4.2
100.0	123 ± 3.8	146 ± 8.4	187 ± 4.9	189 ± 10.9
333.0	131 ± 8.3	163 ± 5.0	180 ± 8.0	183 ± 8.7
1000.0	150 ± 5.5	227 ± 22.3	166 ± 5.2	179 ± 10.9
3333.0	248 ± 18.3	247 ± 10.7	154 ± 6.0	196 ± 10.2
10000.0	325 ± 18.9	318 ± 26.6	184 ± 2.8	167 ± 18.9
Trial Summary	Positive	Positive	Negative	Negative
Positive Control ²				929 ± 27.2
Positive Control ³			959 ± 104.5	
Positive Control ⁶	585 ± 23.1	467 ± 34.3		

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Test Type: **Genetic Toxicology - Bacterial
Mutagenicity**Test Compound: **Propylene glycol mono-t-butyl ether**

Time Report Requested: 21:45:16

CAS Number: 57018-52-7

Strain: TA98

Dose (ug/Plate)	Without S9	With 30% Rat S9	With 30% Hamster S9
Vehicle Control ¹	13 ± 0.3	16 ± 2.4	21 ± 2.3
100.0	14 ± 1.2	18 ± 3.3	17 ± 2.7
333.0	14 ± 0.7	18 ± 1.2	19 ± 2.6
1000.0	15 ± 2.7	15 ± 1.2	18 ± 1.7
3333.0	19 ± 2.9	15 ± 0.9	15 ± 1.9
10000.0	7 ± 1.5 ^s	16 ± 0.7	19 ± 0.6
Trial Summary	Negative	Negative	Negative
Positive Control ²			905 ± 18.6
Positive Control ⁷	460 ± 13.9		
Positive Control ³		652 ± 23.5	

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LEGEND

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: 2.0 ug/Plate 2-Aminoanthracene

3: 5.0 ug/Plate 2-Aminoanthracene

4: 5.0 ug/Plate Sodium Azide

5: 10.0 ug/Plate 2-Aminoanthracene

6: 50.0 ug/Plate 9-Aminoacridine

7: 2.5 ug/Plate 4-Nitro-O-Phenylenediamine

s: Slight Toxicity

**** END OF REPORT ****