

Experiment Number: 006665

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: 2-Butoxyethanol (ethylene glycol monobutyl ether)

CAS Number: 111-76-2

Date Report Requested: 09/14/2018

Time Report Requested: 05:52:13

NTP Study Number:

006665

Study Result:

Negative

Experiment Number: 006665

G06: Ames Summary Data

Date Report Requested: 09/14/2018

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

Test Compound: 2-Butoxyethanol (ethylene glycol monobutyl ether)

Time Report Requested: 05:52:13

CAS Number: 111-76-2

Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control ¹	124 ± 9.2	164 ± 5.5	172 ± 6.1	111 ± 2.8	153 ± 9.5
100.0	114 ± 3.9	156 ± 11.6	155 ± 8.3	127 ± 12.1	157 ± 3.2
333.0	144 ± 6.8	157 ± 7.1	167 ± 8.5	99 ± 5.0	161 ± 12.7
1000.0	131 ± 12.9	165 ± 17.0	169 ± 4.7	96 ± 3.7	156 ± 1.8
3333.0	111 ± 1.8	166 ± 2.6	156 ± 3.3	150 ± 2.3	151 ± 4.8
10000.0	129 ± 8.4	112 ± 7.8	142 ± 9.2	119 ± 4.0	132 ± 15.5
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					930 ± 56.0
Positive Control ³			471 ± 17.0		
Positive Control ⁴	431 ± 5.5	428 ± 30.9			
Positive Control ⁵				621 ± 9.8	

Experiment Number: 006665

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: 2-Butoxyethanol (ethylene glycol monobutyl ether)
CAS Number: 111-76-2

Date Report Requested: 09/14/2018

Time Report Requested: 05:52:13

Strain: TA100

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	161 ± 7.5
100.0	166 ± 3.2
333.0	157 ± 17.5
1000.0	150 ± 1.5
3333.0	151 ± 13.3
10000.0	149 ± 12.1
Trial Summary	Negative
Positive Control ²	
Positive Control ³	731 ± 52.2
Positive Control ⁴	
Positive Control ⁵	

Experiment Number: 006665

G06: Ames Summary Data

Date Report Requested: 09/14/2018

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

Test Compound: 2-Butoxyethanol (ethylene glycol monobutyl ether)

Time Report Requested: 05:52:13

CAS Number: 111-76-2

Strain: TA1535

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control ¹	27 ± 4.1	30 ± 4.9	12 ± 0.3	13 ± 0.3	14 ± 0.9
100.0	32 ± 5.3	39 ± 0.3	10 ± 4.7	14 ± 1.5	13 ± 0.6
333.0	27 ± 1.0	33 ± 4.3	11 ± 1.3	14 ± 0.3	12 ± 1.8
1000.0	26 ± 2.3	25 ± 3.2	11 ± 0.7	12 ± 2.5	8 ± 1.8
3333.0	28 ± 3.5	25 ± 3.2	8 ± 0.9	10 ± 0.3	13 ± 4.0
10000.0	27 ± 1.5	22 ± 2.5	11 ± 0.6	10 ± 2.0	7 ± 2.5
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ³					203 ± 10.1
Positive Control ⁴	679 ± 11.1	585 ± 26.0			
Positive Control ⁵			195 ± 16.0		
Positive Control ⁶				186 ± 4.5	

Experiment Number: 006665

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: 2-Butoxyethanol (ethylene glycol monobutyl ether)
CAS Number: 111-76-2

Date Report Requested: 09/14/2018

Time Report Requested: 05:52:13

Strain: TA1535

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	14 ± 2.6
100.0	12 ± 1.5
333.0	14 ± 3.4
1000.0	12 ± 2.0
3333.0	12 ± 0.6
10000.0	10 ± 1.0
Trial Summary	Negative
Positive Control ³	
Positive Control ⁴	
Positive Control ⁵	698 ± 29.8
Positive Control ⁶	

Experiment Number: 006665

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: 2-Butoxyethanol (ethylene glycol monobutyl ether)
CAS Number: 111-76-2

Date Report Requested: 09/14/2018

Time Report Requested: 05:52:13

Strain: TA1537

Dose (ug/Plate)	Without S9	With 30% Rat S9	With 30% Hamster S9
Vehicle Control ¹	11 ± 3.2	13 ± 3.4	13 ± 1.5
100.0	13 ± 2.6	11 ± 1.8	14 ± 2.1
333.0	13 ± 1.9	8 ± 1.2	7 ± 1.2
1000.0	10 ± 1.9	9 ± 3.3	12 ± 1.5
3333.0	9 ± 1.3	12 ± 4.1	10 ± 2.3
10000.0	14 ± 2.4	7 ± 0.6	11 ± 1.3
Trial Summary	Negative	Negative	Negative
Positive Control ³			64 ± 3.8
Positive Control ⁵		49 ± 2.9	
Positive Control ⁷	742 ± 61.5		

Experiment Number: 006665

G06: Ames Summary Data

Date Report Requested: 09/14/2018

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

Test Compound: 2-Butoxyethanol (ethylene glycol monobutyl ether)

Time Report Requested: 05:52:13

CAS Number: 111-76-2

Strain: TA97

Dose (ug/Plate)	Without S9	Without S9	With 5% Rat S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control ¹	146 ± 8.0	180 ± 15.1	183 ± 11.9	200 ± 8.4	178 ± 6.6
100.0	179 ± 11.3	178 ± 4.9	177 ± 8.9	200 ± 13.7	195 ± 8.5
333.0	160 ± 6.6	190 ± 8.4	187 ± 2.0	192 ± 7.4	195 ± 16.5
666.0			154 ± 9.5		195 ± 15.1
1000.0	147 ± 2.3	214 ± 3.7	169 ± 10.3	202 ± 7.0	184 ± 6.4
1666.0			161 ± 19.1		166 ± 22.1
3333.0	162 ± 7.0	190 ± 2.7		202 ± 5.0	
10000.0	139 ± 7.5	181 ± 1.8		196 ± 7.5	
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					
Positive Control ³			494 ± 22.3	289 ± 5.7	355 ± 13.1
Positive Control ⁵					
Positive Control ⁷	588 ± 28.9	799 ± 76.2			

Experiment Number: 006665

G06: Ames Summary Data

Date Report Requested: 09/14/2018

Test Type: Genetic Toxicology - Bacterial
MutagenicityTest Compound: 2-Butoxyethanol (ethylene glycol monobutyl ether)
CAS Number: 111-76-2

Time Report Requested: 05:52:13

Strain: TA97

Dose (ug/Plate)	With 30% Rat S9	With 30% Rat S9	With 10% Hamster S9	With 30% Hamster S9
Vehicle Control ¹	174 ± 2.3	198 ± 11.3	171 ± 10.4	180 ± 3.0
100.0	190 ± 5.3	215 ± 13.2	170 ± 18.0	210 ± 8.2
333.0	245 ± 10.0	210 ± 5.0	169 ± 3.0	197 ± 5.2
666.0		170 ± 15.2		
1000.0	244 ± 6.4	149 ± 11.4	204 ± 6.9	193 ± 3.3
1666.0		178 ± 2.9		
3333.0	132 ± 10.8		172 ± 11.5	164 ± 0.7
10000.0	91 ± 0.9		148 ± 10.3	130 ± 4.1
Trial Summary	Equivocal	Negative	Negative	Negative
Positive Control ²			285 ± 14.7	
Positive Control ³				456 ± 20.5
Positive Control ⁵	317 ± 21.4	308 ± 8.8		
Positive Control ⁷				

Experiment Number: 006665

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: 2-Butoxyethanol (ethylene glycol monobutyl ether)
CAS Number: 111-76-2

Date Report Requested: 09/14/2018

Time Report Requested: 05:52:13

Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control ¹	21 ± 5.5	25 ± 2.3	34 ± 1.9	40 ± 0.6	19 ± 0.6
100.0	20 ± 5.0	24 ± 3.0	33 ± 3.5	35 ± 4.7	26 ± 1.0
333.0	20 ± 1.9	22 ± 2.5	22 ± 3.4	37 ± 5.7	20 ± 0.9
1000.0	24 ± 2.9	25 ± 5.0	24 ± 3.2	34 ± 1.2	27 ± 0.6
3333.0	20 ± 3.2	21 ± 2.8	27 ± 1.7	34 ± 2.3	26 ± 2.9
10000.0	5 ± 4.7 ^s	11 ± 1.5 ^s	23 ± 2.8	42 ± 1.2	21 ± 4.3
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					933 ± 29.6
Positive Control ³			355 ± 7.4	135 ± 6.9	
Positive Control ⁸	448 ± 41.4	488 ± 48.6			

Experiment Number: 006665

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: 2-Butoxyethanol (ethylene glycol monobutyl ether)
CAS Number: 111-76-2

Date Report Requested: 09/14/2018

Time Report Requested: 05:52:13

Strain: TA98

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	32 ± 1.9
100.0	22 ± 3.4
333.0	28 ± 2.0
1000.0	28 ± 0.9
3333.0	30 ± 1.2
10000.0	27 ± 1.2
Trial Summary	Negative
Positive Control ²	
Positive Control ³	528 ± 35.3
Positive Control ⁸	

Experiment Number: 006665

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: 2-Butoxyethanol (ethylene glycol monobutyl ether)
CAS Number: 111-76-2

Date Report Requested: 09/14/2018

Time Report Requested: 05:52:13

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: Water

2: 0.5 ug/Plate 2-Aminoanthracene

3: 1.0 ug/Plate 2-Aminoanthracene

4: 1.0 ug/Plate Sodium Azide

5: 2.5 ug/Plate 2-Aminoanthracene

6: 5.0 ug/Plate 2-Aminoanthracene

7: 50.0 ug/Plate 9-Aminoacridine

8: 2.5 ug/Plate 4-Nitro-O-Phenylenediamine

s: Slight Toxicity

**** END OF REPORT ****