

Experiment Number: 512545

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

G06: Ames Summary Data

Test Compound: **2-Methyl-2-ethoxypropane (ETBE)**

CAS Number: 637-92-3

Date Report Requested: **09/12/2018**

Time Report Requested: **11:34:47**

NTP Study Number:

512545

Study Result:

Negative

Experiment Number: 512545

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: 2-Methyl-2-ethoxypropane (ETBE)

CAS Number: 637-92-3

Date Report Requested: 09/12/2018

Time Report Requested: 11:34:47

Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control ¹	93 ± 8.7	96 ± 6.2	127 ± 12.7	120 ± 4.7	108 ± 3.2
100.0	96 ± 6.4	106 ± 4.4	117 ± 13.9	117 ± 4.2	96 ± 8.3
333.0	98 ± 6.4	112 ± 1.2	109 ± 3.8	120 ± 11.8	97 ± 6.8
1000.0	83 ± 4.3	99 ± 7.1	115 ± 4.2	108 ± 2.3	106 ± 2.8
3333.0	87 ± 3.4	107 ± 3.2	96 ± 9.9	113 ± 1.9	96 ± 7.2
10000.0	88 ± 1.8	107 ± 3.5	101 ± 7.0	107 ± 4.4	113 ± 8.6
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					568 ± 50.9
Positive Control ³			413 ± 6.9		
Positive Control ⁴	464 ± 27.6	364 ± 7.9			
Positive Control ⁵				516 ± 7.6	

Experiment Number: 512545

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

G06: Ames Summary Data

Test Compound: **2-Methyl-2-ethoxypropane (ETBE)**

CAS Number: 637-92-3

Date Report Requested: 09/12/2018

Time Report Requested: 11:34:47

Strain: TA100

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	114 ± 8.4
100.0	133 ± 13.0
333.0	124 ± 5.5
1000.0	117 ± 9.5
3333.0	114 ± 5.7
10000.0	111 ± 9.9
Trial Summary	Negative
Positive Control ²	
Positive Control ³	715 ± 17.0
Positive Control ⁴	
Positive Control ⁵	

Experiment Number: 512545

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: 2-Methyl-2-ethoxypropane (ETBE)

CAS Number: 637-92-3

Date Report Requested: 09/12/2018

Time Report Requested: 11:34:47

Strain: TA1535

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control ¹	15 ± 1.2	16 ± 1.5	12 ± 2.6	14 ± 1.2	11 ± 2.1
100.0	12 ± 3.0	17 ± 1.3	11 ± 1.0	16 ± 1.7	12 ± 1.0
333.0	15 ± 2.2	20 ± 3.8	11 ± 1.3	14 ± 3.4	12 ± 2.0
1000.0	11 ± 0.9	15 ± 0.3	11 ± 1.9	8 ± 1.7	9 ± 1.5
3333.0	10 ± 1.2	13 ± 1.2	15 ± 2.2	8 ± 1.0	8 ± 1.2
10000.0	11 ± 1.2	13 ± 2.0	13 ± 4.4	9 ± 2.4	7 ± 2.2
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ³					179 ± 2.6
Positive Control ⁴	269 ± 8.7	306 ± 11.8			
Positive Control ⁵			139 ± 14.2		
Positive Control ⁶				89 ± 14.2	

Experiment Number: 512545

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: 2-Methyl-2-ethoxypropane (ETBE)

CAS Number: 637-92-3

Date Report Requested: 09/12/2018

Time Report Requested: 11:34:47

Strain: TA1535

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	12 ± 2.6
100.0	10 ± 2.1
333.0	9 ± 1.5
1000.0	8 ± 0.3
3333.0	11 ± 1.0
10000.0	8 ± 2.2
Trial Summary	Negative
Positive Control ³	
Positive Control ⁴	
Positive Control ⁵	411 ± 12.3
Positive Control ⁶	

Experiment Number: 512545

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: 2-Methyl-2-ethoxypropane (ETBE)

CAS Number: 637-92-3

Date Report Requested: 09/12/2018

Time Report Requested: 11:34:47

Strain: TA97

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control ¹	131 ± 15.1	147 ± 4.7	159 ± 2.3	153 ± 11.9	129 ± 6.9
100.0	133 ± 2.6	141 ± 6.1	162 ± 12.3	204 ± 3.4	137 ± 14.5
333.0	130 ± 4.2	167 ± 7.5	135 ± 11.2	186 ± 10.4	165 ± 16.9
1000.0	134 ± 4.9	121 ± 3.2	171 ± 6.2	173 ± 9.1	163 ± 1.8
3333.0	157 ± 13.9	129 ± 7.4	195 ± 5.8	196 ± 5.3	147 ± 12.5
10000.0	133 ± 10.2	142 ± 5.3	168 ± 4.9	178 ± 15.9	138 ± 2.3
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					395 ± 1.2
Positive Control ³			338 ± 9.2		
Positive Control ⁵				283 ± 13.4	
Positive Control ⁷	331 ± 13.6	420 ± 28.0			

Experiment Number: 512545

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

G06: Ames Summary Data

Test Compound: **2-Methyl-2-ethoxypropane (ETBE)**

CAS Number: 637-92-3

Date Report Requested: 09/12/2018

Time Report Requested: 11:34:47

Strain: TA97

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	165 ± 11.8
100.0	188 ± 11.4
333.0	171 ± 13.7
1000.0	171 ± 4.5
3333.0	177 ± 13.0
10000.0	133 ± 9.4
Trial Summary	Negative
Positive Control ²	
Positive Control ³	451 ± 5.0
Positive Control ⁵	
Positive Control ⁷	

Experiment Number: 512545

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: 2-Methyl-2-ethoxypropane (ETBE)

CAS Number: 637-92-3

Date Report Requested: 09/12/2018

Time Report Requested: 11:34:47

Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control ¹	18 ± 2.2	17 ± 1.5	22 ± 2.3	42 ± 5.5	23 ± 4.1
100.0	18 ± 2.0	17 ± 1.0	24 ± 2.6	34 ± 3.0	29 ± 1.9
333.0	16 ± 2.8	16 ± 0.9	23 ± 2.7	43 ± 5.0	26 ± 0.6
1000.0	20 ± 3.6	18 ± 1.7	21 ± 1.8	34 ± 6.2	18 ± 0.3
3333.0	19 ± 1.8	19 ± 1.9	23 ± 2.3	28 ± 3.3	19 ± 3.1
10000.0	21 ± 2.6	32 ± 1.0	20 ± 0.7	30 ± 4.5	26 ± 1.2
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					351 ± 26.1
Positive Control ³			273 ± 3.8		
Positive Control ⁸				158 ± 5.8	
Positive Control ⁹	619 ± 16.5	535 ± 24.1			

Experiment Number: 512545

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: 2-Methyl-2-ethoxypropane (ETBE)

CAS Number: 637-92-3

Date Report Requested: 09/12/2018

Time Report Requested: 11:34:47

Strain: TA98

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	31 ± 2.3
100.0	30 ± 1.8
333.0	27 ± 0.3
1000.0	26 ± 1.5
3333.0	29 ± 1.8
10000.0	33 ± 1.0
Trial Summary	Negative
Positive Control ²	
Positive Control ³	487 ± 27.5
Positive Control ⁸	
Positive Control ⁹	

Experiment Number: 512545

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

G06: Ames Summary Data

Test Compound: **2-Methyl-2-ethoxypropane (ETBE)**

CAS Number: 637-92-3

Date Report Requested: 09/12/2018

Time Report Requested: 11:34:47

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: 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: 1.0 ug/Plate Medium
- 9: 2.5 ug/Plate 4-Nitro-O-Phenylenediamine

**** END OF REPORT ****