Experiment Number: **A18733**

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

G06: Ames Summary Data

Test Compound: **alpha-Fenchone**

CAS Number: **1195-79-5**

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

Time Report Requested: **09:14:37**

NTP Study Number: A18733

Study Result: Negative

Experiment Number: **A18733**

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

G06: Ames Summary Data

Test Compound: **alpha-Fenchone**

CAS Number: **1195-79-5**

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

Time Report Requested: **09:14:37**

Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control[1]	109 ± 8.0	174 ± 3.1	150 ± 4.5	138 ± 2.6	178 ± 1.2
3.3	119 ± 6.8				
10.0	118 ± 3.8	182 ± 8.5	151 ± 19.0	114 ± 2.7	181 ± 8.1
33.0	119 ± 1.5	177 ± 2.5	149 ± 2.3	133 ± 3.5	154 ± 17.2
100.0	121 ± 7.7	167 ± 9.6	126 ± 2.3	138 ± 3.5	160 ± 12.3
217.0					
333.0	113 ± 13.1	153 ± 13.3	151 ± 1.9	134 ± 1.2	168 ± 7.2
1000.0	Toxic	50 ± 23.8[s]	67 ± 4.6[s]	97 ± 8.6[s]	Toxic
2167.0				24 ± 13.2[s]	
3333.0					Toxic
10000.0					Toxic
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control[2]					469 ± 10.4
Positive Control[3]	401 ± 23.0	578 ± 26.0			
Positive Control[4]			480 ± 19.6		
Positive Control[5]					
Positive Control[6]				800 ± 48.2	

Experiment Number: **A18733**

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

G06: Ames Summary Data

Test Compound: **alpha-Fenchone**

CAS Number: **1195-79-5**

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

Time Report Requested: **09:14:37**

Strain: TA100

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control[1]	111 ± 5.8
3.3	
10.0	106 ± 8.6
33.0	114 ± 1.5
100.0	119 ± 4.3
217.0	
333.0	97 ± 5.0
1000.0	83 ± 5.9[s]
2167.0	48 ± 35.0[s]
3333.0	
10000.0	
Trial Summary	Negative
Positive Control[2]	
Positive Control[3]	
Positive Control[4]	
Positive Control[5]	677 ± 10.2
Positive Control[6]	

Experiment Number: **A18733**

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

G06: Ames Summary Data

Test Compound: **alpha-Fenchone**

CAS Number: **1195-79-5**

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

Time Report Requested: **09:14:37**

Strain: TA1535

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control[1]	12 ± 2.0	8 ± 1.7	7 ± 0.3	18 ± 3.4	6 ± 0.6
10.0	14 ± 1.5	8 ± 0.3	7 ± 0.3	16 ± 2.3	8 ± 0.3
33.0	8 ± 0.7	9 ± 3.8	7 ± 2.3	15 ± 2.5	9 ± 1.2
100.0	13 ± 0.9	7 ± 0.9	8 ± 1.5	17 ± 1.5	5 ± 1.5
333.0	11 ± 1.8	7 ± 1.5	6 ± 2.2	15 ± 2.2	9 ± 3.0
1000.0	4 ± 1.7[s]	0 ± 0.0[s]	3 ± 1.3[s]	17 ± 5.1[s]	5 ± 2.7[s]
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control[2]					23 ± 2.5
Positive Control[3]	285 ± 8.7	55 ± 4.5			
Positive Control[5]					
Positive Control[6]			183 ± 9.6	234 ± 19.7	

Experiment Number: **A18733**

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

G06: Ames Summary Data

Test Compound: **alpha-Fenchone**

CAS Number: **1195-79-5**

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

Time Report Requested: **09:14:37**

Strain: TA1535

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control[1]	13 ± 0.7
10.0	13 ± 2.4
33.0	15 ± 0.3
100.0	13 ± 3.8
333.0	12 ± 0.6
1000.0	11 ± 2.3[s]
Trial Summary	Negative
Positive Control[2]	
Positive Control[3]	
Positive Control[5]	75 ± 7.5
Positive Control[6]	

Experiment Number: **A18733**

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

G06: Ames Summary Data

Test Compound: **alpha-Fenchone**

CAS Number: **1195-79-5**

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

Time Report Requested: **09:14:37**

Strain: TA97

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control[1]	126 ± 6.9	98 ± 15.8	153 ± 13.3	192 ± 18.4	132 ± 5.0
10.0	123 ± 19.6	123 ± 1.3	156 ± 20.4	207 ± 15.5	129 ± 13.6
33.0	100 ± 11.7	117 ± 10.4	159 ± 10.2	213 ± 15.6	113 ± 5.8
100.0	131 ± 4.7	111 ± 1.5	159 ± 2.7	200 ± 4.7	143 ± 21.1
333.0	114 ± 5.0	94 ± 9.7	147 ± 14.3	201 ± 5.4	120 ± 2.5
1000.0	68 ± 34.6[s]	3 ± 3.0[s]	47 ± 22.9[s]	146 ± 17.9[s]	75 ± 5.5[s]
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control[4]					621 ± 60.2
Positive Control[6]			1601 ± 126.6	590 ± 55.2	
Positive Control[7]	490 ± 63.7	1079 ± 95.2			

Experiment Number: **A18733**

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

G06: Ames Summary Data

Test Compound: **alpha-Fenchone**

CAS Number: **1195-79-5**

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

Time Report Requested: **09:14:37**

Strain: TA97

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control[1]	155 ± 1.9
10.0	159 ± 18.5
33.0	181 ± 16.2
100.0	135 ± 5.2
333.0	145 ± 16.3
1000.0	91 ± 6.2[s]
Trial Summary	Negative
Positive Control[4]	
Positive Control[6]	745 ± 47.8
Positive Control[7]	

Experiment Number: **A18733**

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

G06: Ames Summary Data

Test Compound: **alpha-Fenchone**

CAS Number: **1195-79-5**

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

Time Report Requested: **09:14:37**

Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control[1]	17 ± 4.4	19 ± 1.7	27 ± 6.3	16 ± 3.5	22 ± 3.2
3.3	18 ± 3.4				
10.0	12 ± 2.5	20 ± 2.3	24 ± 3.2	17 ± 2.5	23 ± 3.9
33.0	11 ± 1.7	17 ± 3.9	19 ± 1.2	19 ± 3.0	25 ± 4.1
100.0	13 ± 1.2	18 ± 2.4	28 ± 4.1	21 ± 2.3	18 ± 1.7
333.0	12 ± 1.7	17 ± 1.8	13 ± 3.2	24 ± 2.6	23 ± 1.2
1000.0	Toxic	1 ± 0.5[s]	5 ± 1.5[s]	0 ± 0.3[s]	2 ± 1.3[s]
2167.0				Toxic	
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control[2]			157 ± 11.7		239 ± 17.6
Positive Control[5]				232 ± 2.8	
Positive Control[8]	483 ± 38.7	84 ± 5.7			

Experiment Number: **A18733**

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

G06: Ames Summary Data

Test Compound: **alpha-Fenchone**

CAS Number: **1195-79-5**

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

Time Report Requested: **09:14:37**

Strain: TA98

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control[1]	18 ± 3.5
3.3	
10.0	22 ± 1.5
33.0	18 ± 1.3
100.0	20 ± 2.0
333.0	18 ± 1.5
1000.0	15 ± 4.9[s]
2167.0	Toxic
Trial Summary	Negative
Positive Control[2]	
Positive Control[5]	368 ± 23.4
Positive Control[8]	

LEGEND

Values given as Mean or Mean ± 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: 0.4 ug/Plate 2-Aminoanthracene
3: 0.5 ug/Plate Sodium Azide
4: 0.75 ug/Plate 2-Aminoanthracene
5: 1.0 ug/Plate 2-Aminoanthracene
6: 2.0 ug/Plate 2-Aminoanthracene
7: 24.0 ug/Plate 9-Aminoacridine
8: 1.0 ug/Plate 4-Nitro-O-Phenylenediamine
s: Slight Toxicity

** END OF REPORT **