

Experiment Number: 053938

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: Citral diethyl acetal

CAS Number: 7492-66-2

Date Report Requested: 09/15/2018

Time Report Requested: 02:55:04

NTP Study Number:

053938

Study Result:

Negative

Experiment Number: 053938

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: Citral diethyl acetal

CAS Number: 7492-66-2

Date Report Requested: 09/15/2018

Time Report Requested: 02:55:04

Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control ¹	96 ± 3.1	83 ± 2.4	99 ± 7.9	147 ± 10.7	99 ± 6.2
0.3	108 ± 10.0	95 ± 3.4	98 ± 2.8		102 ± 9.3
1.0	132 ± 7.4	73 ± 13.6	100 ± 13.3		99 ± 18.0
3.3	126 ± 2.5	85 ± 5.6	100 ± 4.9	126 ± 1.9	86 ± 4.1
10.0	115 ± 2.3	79 ± 4.6	89 ± 1.7	142 ± 7.0	79 ± 3.5
33.0	117 ± 4.0 ^s	72 ± 5.2	54 ± 12.4 ^s	138 ± 11.7	44 ± 8.2 ^s
100.0				125 ± 8.2	
333.0				102 ± 8.0 ^s	
Trial Summary	Equivocal	Negative	Negative	Negative	Negative
Positive Control ²					214 ± 5.2
Positive Control ³	341 ± 20.4	424 ± 10.1			
Positive Control ⁴			972 ± 29.6		
Positive Control ⁵					
Positive Control ⁶				1223 ± 8.1	

Experiment Number: 053938

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: Citral diethyl acetal

CAS Number: 7492-66-2

Date Report Requested: 09/15/2018

Time Report Requested: 02:55:04

Strain: TA100

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	154 ± 5.5
0.3	
1.0	
3.3	138 ± 8.9
10.0	132 ± 8.7
33.0	135 ± 6.3
100.0	126 ± 1.5
333.0	84 ± 5.1 ^s
Trial Summary	Negative
Positive Control ²	
Positive Control ³	
Positive Control ⁴	
Positive Control ⁵	588 ± 25.5
Positive Control ⁶	

Experiment Number: 053938

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: Citral diethyl acetal

CAS Number: 7492-66-2

Date Report Requested: 09/15/2018

Time Report Requested: 02:55:04

Strain: TA1535

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control ¹	23 ± 3.0	20 ± 3.8	22 ± 0.7	30 ± 0.7	21 ± 1.2
0.1	23 ± 0.7				
0.3	27 ± 1.5	17 ± 0.7	28 ± 0.3		22 ± 2.3
1.0	27 ± 2.8	17 ± 0.9	23 ± 4.6	26 ± 5.9	20 ± 3.2
3.3	27 ± 1.2	17 ± 5.4	26 ± 4.1	27 ± 2.3	18 ± 5.5
10.0	27 ± 2.1	18 ± 0.7	19 ± 1.7	33 ± 3.8	15 ± 2.0
33.0		15 ± 2.5	16 ± 2.7 ^s	32 ± 2.7	6 ± 3.1 ^s
100.0				30 ± 2.6	
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					103 ± 4.1
Positive Control ³	310 ± 8.1	310 ± 2.3			
Positive Control ⁵					
Positive Control ⁶			333 ± 33.3	128 ± 11.9	

Experiment Number: 053938

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: Citral diethyl acetal

CAS Number: 7492-66-2

Date Report Requested: 09/15/2018

Time Report Requested: 02:55:04

Strain: TA1535

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	23 ± 4.9
0.1	
0.3	
1.0	28 ± 3.9
3.3	23 ± 4.2
10.0	20 ± 2.3
33.0	23 ± 0.3
100.0	23 ± 4.1
Trial Summary	Negative
Positive Control ²	
Positive Control ³	
Positive Control ⁵	114 ± 3.5
Positive Control ⁶	

Experiment Number: 053938

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: Citral diethyl acetal

CAS Number: 7492-66-2

Date Report Requested: 09/15/2018

Time Report Requested: 02:55:04

Strain: TA97

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control ¹	99 ± 3.0	92 ± 10.0	126 ± 9.7	203 ± 10.0	119 ± 11.5
0.1	94 ± 4.2				
0.3	101 ± 1.5	120 ± 6.4	152 ± 10.0		128 ± 10.7
1.0	101 ± 4.3	90 ± 3.8	151 ± 6.2	176 ± 7.3	108 ± 10.4
3.3	96 ± 6.8	101 ± 6.5	145 ± 19.9	156 ± 11.3	113 ± 6.7
10.0	97 ± 5.4	102 ± 4.9	99 ± 13.1	141 ± 4.0	94 ± 5.7
33.0		74 ± 8.2	60 ± 12.7 ^s	133 ± 5.0	67 ± 7.8 ^s
100.0				154 ± 3.8	
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ⁷	456 ± 14.0	391 ± 4.1			
Positive Control ⁴					637 ± 4.4
Positive Control ⁶			2067 ± 124.4	1083 ± 26.7	

Experiment Number: 053938

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: Citral diethyl acetal

CAS Number: 7492-66-2

Date Report Requested: 09/15/2018

Time Report Requested: 02:55:04

Strain: TA97

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	145 ± 7.8
0.1	
0.3	
1.0	124 ± 4.4
3.3	158 ± 4.1
10.0	157 ± 8.5
33.0	141 ± 7.4
100.0	157 ± 4.2
Trial Summary	Negative
Positive Control ⁷	
Positive Control ⁴	
Positive Control ⁶	947 ± 21.8

Experiment Number: 053938

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: Citral diethyl acetal

CAS Number: 7492-66-2

Date Report Requested: 09/15/2018

Time Report Requested: 02:55:04

Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control ¹	24 ± 3.4	26 ± 4.2	37 ± 3.5	44 ± 0.6	42 ± 4.4
0.3	24 ± 3.8	22 ± 3.6	38 ± 5.8		19 ± 11.6
1.0	21 ± 0.6	28 ± 2.6	37 ± 3.7		39 ± 4.2
3.3	20 ± 2.4	23 ± 4.3	35 ± 1.7	39 ± 2.3	41 ± 4.3
10.0	23 ± 1.0	21 ± 2.6	33 ± 5.5	42 ± 3.8	39 ± 4.9
33.0	22 ± 1.8 ^s	19 ± 2.9	16 ± 1.8 ^s	40 ± 3.2	21 ± 0.9 ^s
100.0				36 ± 1.2	
333.0				31 ± 2.9 ^s	
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²			159 ± 10.2		177 ± 11.9
Positive Control ⁵				375 ± 3.1	
Positive Control ⁸	318 ± 12.8	337 ± 10.1			

Experiment Number: 053938

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: Citral diethyl acetal

CAS Number: 7492-66-2

Date Report Requested: 09/15/2018

Time Report Requested: 02:55:04

Strain: TA98

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	39 ± 2.7
0.3	
1.0	
3.3	41 ± 4.1
10.0	52 ± 4.0
33.0	46 ± 1.5
100.0	43 ± 2.6
333.0	28 ± 4.4 ^s
Trial Summary	Negative
Positive Control ²	
Positive Control ⁵	441 ± 9.8
Positive Control ⁸	

Experiment Number: 053938

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: Citral diethyl acetal

CAS Number: 7492-66-2

Date Report Requested: 09/15/2018

Time Report Requested: 02:55:04

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: 100% Ethanol

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: 0.05 ug/Plate Icr-191

8: 1.0 ug/Plate 4-Nitro-O-Phenylenediamine

s: Slight Toxicity

**** END OF REPORT ****