Experiment Number: **159698**

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

G06: Ames Summary Data

Test Compound: **1-trans-delta-9-Tetrahydrocannabinol**

CAS Number: **1972-08-3**

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

Time Report Requested: **21:11:58**

NTP Study Number: 159698

Study Result: Negative

Experiment Number: **159698**

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

G06: Ames Summary Data

Test Compound: **1-trans-delta-9-Tetrahydrocannabinol**

CAS Number: **1972-08-3**

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

Time Report Requested: **21:11:58**

Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control[1]	113 ± 3.4	104 ± 0.7	118 ± 6.0	129 ± 4.8	127 ± 12.4
100.0	97 ± 12.2	113 ± 8.8	140 ± 6.6	138 ± 4.6	139 ± 10.7
333.0	105 ± 6.2	106 ± 1.9	113 ± 14.1	137 ± 3.2	109 ± 10.0
1000.0	108 ± 6.4	108 ± 10.6	132 ± 8.5	130 ± 12.8	132 ± 9.6
3333.0	102 ± 13.2	107 ± 4.1	127 ± 10.7	123 ± 10.4	128 ± 9.1
10000.0	106 ± 3.8	94 ± 5.9	112 ± 9.1	141 ± 5.0	127 ± 9.0
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control[2]	425 ± 19.9	375 ± 12.3			
Positive Control[3]			725 ± 24.1	449 ± 7.0	1828 ± 130.2

Experiment Number: **159698**

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

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Test Compound: **1-trans-delta-9-Tetrahydrocannabinol**

CAS Number: **1972-08-3**

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

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Strain: TA100

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control[1]	103 ± 14.3
100.0	113 ± 5.5
333.0	117 ± 6.8
1000.0	125 ± 14.4
3333.0	109 ± 3.5
10000.0	117 ± 11.7
Trial Summary	Negative
Positive Control[2]	
Positive Control[3]	873 ± 46.0

Experiment Number: **159698**

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

G06: Ames Summary Data

Test Compound: **1-trans-delta-9-Tetrahydrocannabinol**

CAS Number: **1972-08-3**

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

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Strain: TA1535

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control[1]	24 ± 0.9	29 ± 2.5	11 ± 2.4	10 ± 1.2	9 ± 0.9
100.0	22 ± 6.9	17 ± 0.3	7 ± 0.9	11 ± 0.9	8 ± 2.2
333.0	26 ± 3.5	24 ± 5.0	6 ± 1.9	11 ± 0.6	9 ± 1.3
1000.0	21 ± 4.5	30 ± 3.5	7 ± 1.0	7 ± 0.7	10 ± 0.6
3333.0	23 ± 4.6	26 ± 2.3	9 ± 1.5[p]	10 ± 1.7	9 ± 1.2
10000.0	20 ± 5.3	22 ± 2.4	7 ± 1.5[p]	11 ± 1.7	7 ± 0.9
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control[2]	469 ± 15.7	418 ± 23.1			
Positive Control[4]			223 ± 13.9	162 ± 27.5	557 ± 10.3

Experiment Number: **159698**

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

G06: Ames Summary Data

Test Compound: **1-trans-delta-9-Tetrahydrocannabinol**

CAS Number: **1972-08-3**

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

Time Report Requested: **21:11:58**

Strain: TA1535

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control[1]	10 ± 2.0
100.0	10 ± 0.7
333.0	7 ± 0.3
1000.0	6 ± 0.6
3333.0	11 ± 2.9
10000.0	7 ± 0.6
Trial Summary	Negative
Positive Control[2]	
Positive Control[4]	616 ± 69.9

Experiment Number: **159698**

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

G06: Ames Summary Data

Test Compound: **1-trans-delta-9-Tetrahydrocannabinol**

CAS Number: **1972-08-3**

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

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Strain: TA97

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control[1]	238 ± 6.8	213 ± 10.7	173 ± 2.3	172 ± 0.5	230 ± 13.0
100.0	211 ± 2.3	223 ± 11.6	177 ± 6.7	185 ± 11.3	235 ± 16.9
333.0	210 ± 7.3	235 ± 7.2	158 ± 4.1	171 ± 2.6	262 ± 11.5
1000.0	228 ± 6.0	267 ± 7.4	154 ± 5.3	154 ± 8.5	266 ± 9.3
3333.0	225 ± 6.7	256 ± 22.0	180 ± 2.2	185 ± 4.5	181 ± 21.7
10000.0	208 ± 15.5	237 ± 34.2	174 ± 10.9	184 ± 0.9	200 ± 10.7
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control[4]			1452 ± 80.7	680 ± 21.3	962 ± 25.8
Positive Control[5]	1287 ± 66.4	856 ± 20.8			

Experiment Number: **159698**

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

G06: Ames Summary Data

Test Compound: **1-trans-delta-9-Tetrahydrocannabinol**

CAS Number: **1972-08-3**

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

Time Report Requested: **21:11:58**

Strain: TA97

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control[1]	205 ± 10.2
100.0	212 ± 0.6
333.0	177 ± 2.6
1000.0	210 ± 6.8
3333.0	178 ± 2.2
10000.0	198 ± 11.7
Trial Summary	Negative
Positive Control[4]	797 ± 61.9
Positive Control[5]	

Experiment Number: **159698**

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

G06: Ames Summary Data

Test Compound: **1-trans-delta-9-Tetrahydrocannabinol**

CAS Number: **1972-08-3**

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

Time Report Requested: **21:11:58**

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 ± 4.0	17 ± 3.9	27 ± 2.1	31 ± 4.2	26 ± 1.8
100.0	15 ± 0.7	14 ± 2.0	36 ± 3.5	31 ± 2.4	30 ± 1.7
333.0	20 ± 2.0	18 ± 1.5	33 ± 2.1	32 ± 4.5	33 ± 3.9
1000.0	15 ± 4.9	14 ± 1.5	27 ± 5.4	32 ± 4.0	29 ± 4.9
3333.0	15 ± 3.8	16 ± 2.5	33 ± 2.7	30 ± 3.0	35 ± 1.5
10000.0	18 ± 1.2	20 ± 2.0	28 ± 5.1	23 ± 2.8	36 ± 5.2
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control[3]			408 ± 20.3	246 ± 18.1	1187 ± 29.6
Positive Control[6]	869 ± 34.3	845 ± 69.2			

Experiment Number: **159698**

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

G06: Ames Summary Data

Test Compound: **1-trans-delta-9-Tetrahydrocannabinol**

CAS Number: **1972-08-3**

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

Time Report Requested: **21:11:58**

Strain: TA98

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control[1]	27 ± 4.1
100.0	30 ± 5.5
333.0	31 ± 5.9
1000.0	27 ± 4.7
3333.0	25 ± 1.2
10000.0	30 ± 2.3
Trial Summary	Negative
Positive Control[3]	597 ± 137.1
Positive Control[6]	

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: 1.0 ug/Plate Sodium Azide
3: 1.0 ug/Plate 2-Aminoanthracene
4: 2.5 ug/Plate 2-Aminoanthracene
5: 50.0 ug/Plate 9-Aminoacridine
6: 5.0 ug/Plate 4-Nitro-O-Phenylenediamine
p: Precipitate

** END OF REPORT **