Experiment Number: **947738**

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

G06: Ames Summary Data

Test Compound: **Dimethylsuccinate**

CAS Number: **106-65-0**

Date Report Requested: **09/17/2018**

Time Report Requested: **16:54:17**

NTP Study Number: 947738

Study Result: Negative

Experiment Number: **947738**

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

G06: Ames Summary Data

Test Compound: **Dimethylsuccinate**

CAS Number: **106-65-0**

Date Report Requested: **09/17/2018**

Time Report Requested: **16:54:17**

Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control[1]	82 ± 2.5	138 ± 7.4	150 ± 10.0	102 ± 11.3	165 ± 2.5
100.0	91 ± 5.7	113 ± 2.7	137 ± 3.5	104 ± 2.6	165 ± 4.5
333.0	90 ± 0.7	136 ± 2.9	167 ± 2.7	112 ± 2.3	179 ± 9.6
1000.0	93 ± 6.9	143 ± 3.5	160 ± 8.7	119 ± 2.7	162 ± 3.7
3333.0	96 ± 5.6	133 ± 10.3	159 ± 9.3	94 ± 3.7	145 ± 9.3
10000.0	90 ± 6.1	140 ± 4.4	156 ± 4.3	90 ± 8.7[s]	144 ± 13.1
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control[2]					550 ± 5.9
Positive Control[3]			386 ± 3.8		
Positive Control[4]	354 ± 13.7	349 ± 19.5			
Positive Control[5]				567 ± 21.5	

Experiment Number: **947738**

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

G06: Ames Summary Data

Test Compound: **Dimethylsuccinate**

CAS Number: **106-65-0**

Date Report Requested: **09/17/2018**

Time Report Requested: **16:54:17**

Strain: TA100

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control[1]	148 ± 13.5
100.0	150 ± 6.4
333.0	140 ± 1.7
1000.0	147 ± 11.8
3333.0	107 ± 14.3
10000.0	80 ± 0.9[s]
Trial Summary	Negative
Positive Control[2]	
Positive Control[3]	564 ± 47.5
Positive Control[4]	
Positive Control[5]	

Experiment Number: **947738**

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

G06: Ames Summary Data

Test Compound: **Dimethylsuccinate**

CAS Number: **106-65-0**

Date Report Requested: **09/17/2018**

Time Report Requested: **16:54:17**

Strain: TA1535

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control[1]	16 ± 1.0	17 ± 2.7	14 ± 1.5	11 ± 2.1	12 ± 1.0
100.0	16 ± 2.7	20 ± 2.0	13 ± 1.3	13 ± 2.6	13 ± 0.9
333.0	14 ± 1.3	13 ± 0.9	11 ± 1.7	11 ± 1.2	7 ± 1.8
1000.0	15 ± 3.1	16 ± 1.9	10 ± 2.2	12 ± 3.1	12 ± 1.2
3333.0	15 ± 0.7	16 ± 2.2	9 ± 1.8	14 ± 1.2	13 ± 1.5
10000.0	9 ± 1.2	15 ± 2.0	10 ± 0.6	14 ± 2.6	10 ± 0.0
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control[3]					235 ± 0.9
Positive Control[4]	371 ± 6.3	419 ± 20.1			
Positive Control[5]			139 ± 10.6		
Positive Control[6]				135 ± 5.3	

Experiment Number: **947738**

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

G06: Ames Summary Data

Test Compound: **Dimethylsuccinate**

CAS Number: **106-65-0**

Date Report Requested: **09/17/2018**

Time Report Requested: **16:54:17**

Strain: TA1535

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control[1]	10 ± 0.9
100.0	13 ± 2.5
333.0	12 ± 2.7
1000.0	11 ± 0.9
3333.0	8 ± 0.6
10000.0	14 ± 1.9
Trial Summary	Negative
Positive Control[3]	
Positive Control[4]	
Positive Control[5]	455 ± 70.0
Positive Control[6]	

Experiment Number: **947738**

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

G06: Ames Summary Data

Test Compound: **Dimethylsuccinate**

CAS Number: **106-65-0**

Date Report Requested: **09/17/2018**

Time Report Requested: **16:54:17**

Strain: TA97

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control[1]	154 ± 5.2	184 ± 8.1	188 ± 4.9	201 ± 9.3	193 ± 4.4
100.0	151 ± 11.3	177 ± 3.5	198 ± 13.7	198 ± 1.2	199 ± 4.7
333.0	132 ± 9.5	163 ± 13.6	215 ± 7.2	195 ± 4.8	202 ± 11.0
1000.0	158 ± 1.8	173 ± 4.2	198 ± 2.0	165 ± 9.7	205 ± 7.3
3333.0	146 ± 4.6	170 ± 6.0	189 ± 4.6	198 ± 12.2	201 ± 5.6
10000.0	165 ± 15.0	Toxic	128 ± 22.5	134 ± 2.7	146 ± 24.1
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control[2]					366 ± 18.9
Positive Control[3]			311 ± 7.3		
Positive Control[5]				378 ± 25.7	
Positive Control[7]	442 ± 35.9	578 ± 48.7			

Experiment Number: **947738**

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

G06: Ames Summary Data

Test Compound: **Dimethylsuccinate**

CAS Number: **106-65-0**

Date Report Requested: **09/17/2018**

Time Report Requested: **16:54:17**

Strain: TA97

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control[1]	185 ± 14.0
100.0	186 ± 12.8
333.0	184 ± 10.2
1000.0	157 ± 9.0
3333.0	183 ± 2.2
10000.0	137 ± 3.2
Trial Summary	Negative
Positive Control[2]	
Positive Control[3]	478 ± 26.8
Positive Control[5]	
Positive Control[7]	

Experiment Number: **947738**

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

G06: Ames Summary Data

Test Compound: **Dimethylsuccinate**

CAS Number: **106-65-0**

Date Report Requested: **09/17/2018**

Time Report Requested: **16:54:17**

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 ± 0.9	20 ± 2.3	29 ± 2.0	33 ± 4.0	31 ± 2.0
100.0	16 ± 3.8	21 ± 4.4	32 ± 0.9	32 ± 3.5	29 ± 1.5
333.0	17 ± 2.3	19 ± 2.8	24 ± 2.2	31 ± 3.2	24 ± 1.7
1000.0	19 ± 0.3	20 ± 2.5	28 ± 6.1	35 ± 2.5	29 ± 3.5
3333.0	18 ± 1.2	18 ± 1.2	24 ± 2.0	33 ± 2.1	25 ± 2.0
10000.0	27 ± 4.9	19 ± 1.2	17 ± 0.3	38 ± 1.0	27 ± 4.7
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control[2]					595 ± 19.4
Positive Control[3]			365 ± 13.8	164 ± 3.7	
Positive Control[8]	507 ± 31.8	645 ± 12.1			

Experiment Number: **947738**

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

G06: Ames Summary Data

Test Compound: **Dimethylsuccinate**

CAS Number: **106-65-0**

Date Report Requested: **09/17/2018**

Time Report Requested: **16:54:17**

Strain: TA98

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control[1]	30 ± 1.7
100.0	27 ± 3.0
333.0	30 ± 1.5
1000.0	27 ± 2.0
3333.0	34 ± 3.5
10000.0	35 ± 4.1[s]
Trial Summary	Negative
Positive Control[2]	
Positive Control[3]	514 ± 18.2
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: 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 **