Experiment Number: **088436**

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

G06: Ames Summary Data

Test Compound: **Succinic anhydride**

CAS Number: **108-30-5**

Date Report Requested: **09/11/2018**

Time Report Requested: **06:50:57**

NTP Study Number: 088436

Study Result: Negative

Experiment Number: **088436**

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

G06: Ames Summary Data

Test Compound: **Succinic anhydride**

CAS Number: **108-30-5**

Date Report Requested: **09/11/2018**

Time Report Requested: **06:50:57**

Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control[1]	94 ± 4.4	123 ± 7.5	111 ± 6.1	115 ± 5.2	131 ± 8.5
3.0	118 ± 16.5				
10.0		99 ± 12.3			
33.0	114 ± 6.1	120 ± 3.7			
100.0	101 ± 1.5	103 ± 6.0	129 ± 1.2	110 ± 7.5	124 ± 8.2
333.0	113 ± 6.1	93 ± 9.3	127 ± 7.3	120 ± 5.0	116 ± 11.5
666.0	87 ± 12.0	41 ± 2.3			
1000.0			114 ± 8.3	103 ± 6.4	111 ± 9.6
3333.0			97 ± 6.1	105 ± 4.4	107 ± 9.3
10000.0			99 ± 9.2	77 ± 9.5	105 ± 16.7
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control[2]			481 ± 28.2	721 ± 14.5	1500 ± 142.6
Positive Control[3]	431 ± 13.3	411 ± 28.4			

Experiment Number: **088436**

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Test Compound: **Succinic anhydride**

CAS Number: **108-30-5**

Date Report Requested: **09/11/2018**

Time Report Requested: **06:50:57**

Strain: TA100

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control[1]	111 ± 9.9
3.0	
10.0	
33.0	
100.0	93 ± 4.0
333.0	104 ± 6.6
666.0	
1000.0	107 ± 5.0
3333.0	81 ± 7.0
10000.0	71 ± 8.5
Trial Summary	Negative
Positive Control[2]	1358 ± 108.2
Positive Control[3]	

Experiment Number: **088436**

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

G06: Ames Summary Data

Test Compound: **Succinic anhydride**

CAS Number: **108-30-5**

Date Report Requested: **09/11/2018**

Time Report Requested: **06:50:57**

Strain: TA1535

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control[1]	19 ± 2.5	30 ± 2.2	9 ± 2.3	11 ± 2.7	9 ± 2.0
3.0	27 ± 0.6				
10.0		32 ± 2.1			
33.0	20 ± 0.3	25 ± 3.0			
100.0	25 ± 2.1	30 ± 4.9	9 ± 2.2	10 ± 2.6	10 ± 2.6
333.0	22 ± 1.7	19 ± 3.5	9 ± 1.5	7 ± 0.3	8 ± 2.1
666.0	7 ± 3.1	6 ± 4.3			
1000.0			11 ± 1.2	6 ± 0.6	11 ± 2.5
3333.0			5 ± 0.3	9 ± 0.0	6 ± 1.2
10000.0			4 ± 0.9	6 ± 0.0	4 ± 0.7
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control[3]	511 ± 11.6	436 ± 10.7			
Positive Control[4]			186 ± 15.3	167 ± 3.2	503 ± 14.7

Experiment Number: **088436**

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

G06: Ames Summary Data

Test Compound: **Succinic anhydride**

CAS Number: **108-30-5**

Date Report Requested: **09/11/2018**

Time Report Requested: **06:50:57**

Strain: TA1535

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control[1]	7 ± 1.2
3.0	
10.0	
33.0	
100.0	6 ± 0.6
333.0	6 ± 0.6
666.0	
1000.0	7 ± 1.2
3333.0	6 ± 1.3
10000.0	6 ± 0.0
Trial Summary	Negative
Positive Control[3]	
Positive Control[4]	389 ± 3.5

Experiment Number: **088436**

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

G06: Ames Summary Data

Test Compound: **Succinic anhydride**

CAS Number: **108-30-5**

Date Report Requested: **09/11/2018**

Time Report Requested: **06:50:57**

Strain: TA1537

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control[1]	5 ± 1.2	7 ± 2.0	8 ± 2.3	9 ± 2.0	6 ± 1.5
3.0	5 ± 0.9				
10.0		5 ± 1.0			
33.0	4 ± 0.9	7 ± 2.5			
100.0	6 ± 1.2	5 ± 1.2	9 ± 2.1	5 ± 0.6	8 ± 2.0
333.0	5 ± 1.8	5 ± 2.0	11 ± 1.2	6 ± 1.5	8 ± 0.6
666.0	3 ± 0.9	2 ± 0.7			
1000.0			5 ± 1.5	5 ± 1.2	7 ± 1.7
3333.0			6 ± 0.9	7 ± 1.2	6 ± 2.8
10000.0			8 ± 2.2	7 ± 0.9	5 ± 2.2
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control[4]			147 ± 16.6	179 ± 19.8	462 ± 22.6
Positive Control[5]	248 ± 86.7	166 ± 31.4			

Experiment Number: **088436**

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

G06: Ames Summary Data

Test Compound: **Succinic anhydride**

CAS Number: **108-30-5**

Date Report Requested: **09/11/2018**

Time Report Requested: **06:50:57**

Strain: TA1537

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control[1]	9 ± 1.7
3.0	
10.0	
33.0	
100.0	10 ± 2.9
333.0	7 ± 0.3
666.0	
1000.0	8 ± 0.0
3333.0	5 ± 1.5
10000.0	6 ± 1.0
Trial Summary	Negative
Positive Control[4]	321 ± 25.6
Positive Control[5]	

Experiment Number: **088436**

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

G06: Ames Summary Data

Test Compound: **Succinic anhydride**

CAS Number: **108-30-5**

Date Report Requested: **09/11/2018**

Time Report Requested: **06:50:57**

Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control[1]	22 ± 5.0	16 ± 2.1	24 ± 3.2	26 ± 2.0	25 ± 2.3
3.0	16 ± 1.5				
10.0		15 ± 0.3			
33.0	19 ± 3.4	14 ± 0.9			
100.0	16 ± 1.2	16 ± 0.9	24 ± 4.9	26 ± 0.3	33 ± 2.9
333.0	12 ± 1.8	11 ± 1.9	24 ± 2.5	19 ± 0.3	27 ± 2.1
666.0	7 ± 0.9	4 ± 0.3			
1000.0			29 ± 2.0	27 ± 2.8	23 ± 2.5
3333.0			25 ± 5.1	23 ± 3.0	18 ± 0.3
10000.0			24 ± 2.1	19 ± 3.8	19 ± 1.5
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control[2]			355 ± 43.6	474 ± 45.7	1287 ± 249.6
Positive Control[6]	757 ± 11.3	793 ± 19.0			

Experiment Number: **088436**

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

G06: Ames Summary Data

Test Compound: **Succinic anhydride**

CAS Number: **108-30-5**

Date Report Requested: **09/11/2018**

Time Report Requested: **06:50:57**

Strain: TA98

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control[1]	23 ± 3.3
3.0	
10.0	
33.0	
100.0	23 ± 3.3
333.0	23 ± 3.7
666.0	
1000.0	20 ± 0.6
3333.0	22 ± 4.5
10000.0	15 ± 1.7
Trial Summary	Negative
Positive Control[2]	1229 ± 84.4
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 2-Aminoanthracene
3: 1.0 ug/Plate Sodium Azide
4: 2.5 ug/Plate 2-Aminoanthracene
5: 50.0 ug/Plate 9-Aminoacridine
6: 5.0 ug/Plate 4-Nitro-O-Phenylenediamine

** END OF REPORT **