Experiment Number: **965355**

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

G06: Ames Summary Data

Test Compound: **Acrylamide**

CAS Number: **79-06-1**

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

Time Report Requested: **22:04:44**

NTP Study Number: 965355

Study Result: Weakly Positive

Experiment Number: **965355**

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

G06: Ames Summary Data

Test Compound: **Acrylamide**

CAS Number: **79-06-1**

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

Time Report Requested: **22:04:44**

Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control[1]	129 ± 4.6	84 ± 2.2	155 ± 3.5	120 ± 11.7	154 ± 8.0
100.0	135 ± 4.7	90 ± 8.4	177 ± 5.8	119 ± 2.3	193 ± 9.3
333.0	150 ± 7.2	94 ± 1.7	183 ± 3.3	138 ± 10.5	202 ± 6.3
1000.0	134 ± 6.0	104 ± 3.8	185 ± 2.0	142 ± 2.6	225 ± 5.7
3333.0	138 ± 5.5	88 ± 1.5	205 ± 0.9	151 ± 0.9	217 ± 10.6
10000.0	141 ± 3.5	81 ± 3.5	162 ± 7.4	123 ± 2.9	187 ± 10.1
Trial Summary	Negative	Negative	Equivocal	Negative	Weakly Positive
Positive Control[2]			2954 ± 67.0	2404 ± 59.1	2110 ± 82.2
Positive Control[3]	1708 ± 144.2	437 ± 36.8			

Experiment Number: **965355**

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

G06: Ames Summary Data

Test Compound: **Acrylamide**

CAS Number: **79-06-1**

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

Time Report Requested: **22:04:44**

Strain: TA100

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control[1]	105 ± 7.6
100.0	150 ± 6.1
333.0	160 ± 3.6
1000.0	185 ± 5.8
3333.0	120 ± 4.7
10000.0	99 ± 6.7
Trial Summary	Weakly Positive
Positive Control[2]	1402 ± 94.5
Positive Control[3]	

Experiment Number: **965355**

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

G06: Ames Summary Data

Test Compound: **Acrylamide**

CAS Number: **79-06-1**

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

Time Report Requested: **22:04:44**

Strain: TA1535

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control[1]	13 ± 2.3	7 ± 1.5	11 ± 1.0	9 ± 0.9	9 ± 0.6
100.0	13 ± 3.0	7 ± 1.2	10 ± 0.7	9 ± 0.9	9 ± 0.6
333.0	13 ± 2.6	8 ± 0.9	11 ± 3.5	9 ± 2.8	11 ± 2.0
1000.0	10 ± 1.2	4 ± 1.3	9 ± 0.9	7 ± 0.9	9 ± 0.7
3333.0	11 ± 1.3	2 ± 0.3	9 ± 2.0	3 ± 1.2	7 ± 1.2
10000.0	14 ± 0.6	3 ± 0.6	3 ± 0.9	2 ± 0.3	5 ± 1.8
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control[4]			234 ± 9.7	85 ± 7.5	339 ± 33.6
Positive Control[3]	1078 ± 17.0	58 ± 13.1			

Experiment Number: **965355**

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

G06: Ames Summary Data

Test Compound: **Acrylamide**

CAS Number: **79-06-1**

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

Time Report Requested: **22:04:44**

Strain: TA1535

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control[1]	7 ± 1.9
100.0	8 ± 0.6
333.0	6 ± 2.4
1000.0	8 ± 3.3
3333.0	5 ± 1.0
10000.0	4 ± 1.7
Trial Summary	Negative
Positive Control[4]	129 ± 7.2
Positive Control[3]	

Experiment Number: **965355**

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

G06: Ames Summary Data

Test Compound: **Acrylamide**

CAS Number: **79-06-1**

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

Time Report Requested: **22:04:44**

Strain: TA1537

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control[1]	9 ± 0.6	8 ± 1.7	17 ± 0.6	5 ± 1.5	16 ± 1.5
100.0	15 ± 2.1	11 ± 0.9	16 ± 1.8	7 ± 0.9	13 ± 2.4
333.0	11 ± 0.7	8 ± 2.7	16 ± 1.5	5 ± 1.5	15 ± 3.3
1000.0	7 ± 0.9	4 ± 0.3	20 ± 0.9	7 ± 2.0	12 ± 2.8
3333.0	10 ± 1.2	6 ± 0.9	10 ± 2.1	5 ± 0.3	14 ± 2.2
10000.0	8 ± 0.6	6 ± 1.5	9 ± 2.5	3 ± 0.9	12 ± 1.2
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control[4]			455 ± 16.9	287 ± 15.5	356 ± 33.6
Positive Control[5]	345 ± 72.8	250 ± 58.3			

Experiment Number: **965355**

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

G06: Ames Summary Data

Test Compound: **Acrylamide**

CAS Number: **79-06-1**

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

Time Report Requested: **22:04:44**

Strain: TA1537

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control[1]	5 ± 0.9
100.0	8 ± 0.9
333.0	8 ± 0.7
1000.0	5 ± 1.5
3333.0	6 ± 0.9
10000.0	7 ± 2.4
Trial Summary	Negative
Positive Control[4]	114 ± 14.9
Positive Control[5]	

Experiment Number: **965355**

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

G06: Ames Summary Data

Test Compound: **Acrylamide**

CAS Number: **79-06-1**

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

Time Report Requested: **22:04:44**

Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control[1]	21 ± 2.5	21 ± 2.4	32 ± 1.9	18 ± 2.3	25 ± 1.0
10.0					24 ± 2.9
33.0					29 ± 2.6
100.0	30 ± 1.2	25 ± 0.9	41 ± 0.3	45 ± 4.2	42 ± 3.8
333.0	29 ± 2.9	27 ± 0.3	51 ± 3.5	34 ± 1.5	49 ± 5.6
1000.0	31 ± 0.3	13 ± 2.5	38 ± 1.2	31 ± 3.5	37 ± 5.2
3333.0	29 ± 2.5	11 ± 2.3	38 ± 3.5	16 ± 1.5	
10000.0	29 ± 2.4	11 ± 2.7	35 ± 1.2	13 ± 1.2	
Trial Summary	Negative	Negative	Negative	Equivocal	Weakly Positive
Positive Control[2]			1317 ± 87.4	2191 ± 46.4	425 ± 46.3
Positive Control[6]	231 ± 7.7	205 ± 14.7			

Experiment Number: **965355**

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

G06: Ames Summary Data

Test Compound: **Acrylamide**

CAS Number: **79-06-1**

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

Time Report Requested: **22:04:44**

Strain: TA98

Dose (ug/Plate)	With 10% Hamster S9	With 10% Hamster S9	With 10% Hamster S9
Vehicle Control[1]	32 ± 2.3	21 ± 3.8	23 ± 4.4
10.0			18 ± 2.9
33.0			25 ± 2.0
100.0	28 ± 1.5	39 ± 0.3	31 ± 3.5
333.0	27 ± 4.0	37 ± 3.2	37 ± 2.7
1000.0	25 ± 6.9	29 ± 3.4	23 ± 2.0
3333.0	21 ± 1.8	12 ± 3.3	
10000.0	23 ± 2.4	12 ± 1.0	
Trial Summary	Negative	Negative	Negative
Positive Control[2]	1736 ± 97.3	2319 ± 165.8	838 ± 36.6
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: Water
2: 1.0 ug/Plate 2-Aminoanthracene
3: 3.3 ug/Plate Sodium Azide
4: 2.0 ug/Plate 2-Aminoanthracene
5: 33.0 ug/Plate 9-Aminoacridine
6: 3.3 ug/Plate 4-Nitro-O-Phenylenediamine

** END OF REPORT **