Experiment Number: **344778**

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

G06: Ames Summary Data

Test Compound: **L-5-Hydroxytryptophan**

CAS Number: **4350-09-8**

Date Report Requested: **09/13/2018**

Time Report Requested: **14:57:43**

NTP Study Number: 344778

Study Result: Negative

Experiment Number: **344778**

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

G06: Ames Summary Data

Test Compound: **L-5-Hydroxytryptophan**

CAS Number: **4350-09-8**

Date Report Requested: **09/13/2018**

Time Report Requested: **14:57:43**

Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control[1]	118 ± 2.0	166 ± 14.1	124 ± 12.1	118 ± 11.0	125 ± 12.2
100.0	122 ± 3.6	162 ± 9.0	118 ± 5.9	143 ± 8.0	114 ± 8.3
333.0	106 ± 1.2	170 ± 7.5	122 ± 3.5	127 ± 6.0	108 ± 4.9
1000.0	103 ± 2.0	138 ± 6.1	107 ± 5.7	119 ± 6.4	95 ± 6.4
3333.0	86 ± 7.2	147 ± 0.0	112 ± 7.6	113 ± 7.1	91 ± 10.1
10000.0	100 ± 4.4	128 ± 3.9	112 ± 10.0	109 ± 16.4	92 ± 5.3
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control[2]					1132 ± 7.8
Positive Control[3]			1147 ± 21.3	1859 ± 30.9	
Positive Control[4]	1144 ± 24.1	1284 ± 13.9			

Experiment Number: **344778**

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

G06: Ames Summary Data

Test Compound: **L-5-Hydroxytryptophan**

CAS Number: **4350-09-8**

Date Report Requested: **09/13/2018**

Time Report Requested: **14:57:43**

Strain: TA100

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control[1]	134 ± 6.7
100.0	136 ± 9.8
333.0	133 ± 2.0
1000.0	132 ± 3.5
3333.0	124 ± 9.9
10000.0	121 ± 4.4
Trial Summary	Negative
Positive Control[2]	1229 ± 50.4
Positive Control[3]	
Positive Control[4]	

Experiment Number: **344778**

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

G06: Ames Summary Data

Test Compound: **L-5-Hydroxytryptophan**

CAS Number: **4350-09-8**

Date Report Requested: **09/13/2018**

Time Report Requested: **14:57:43**

Strain: TA1535

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control[1]	25 ± 3.1	35 ± 1.9	14 ± 1.2	14 ± 1.7	8 ± 0.3
100.0	25 ± 4.1	35 ± 1.2	13 ± 1.5	15 ± 1.9	11 ± 1.0
333.0	18 ± 1.8	31 ± 2.6	10 ± 1.0	11 ± 2.3	13 ± 1.5
1000.0	24 ± 1.2	31 ± 2.7	13 ± 0.9	16 ± 1.0	12 ± 4.1
3333.0	20 ± 1.2	28 ± 0.7	8 ± 0.9	12 ± 0.9	8 ± 1.5
10000.0	27 ± 5.0	27 ± 5.0	14 ± 2.0	14 ± 2.3	15 ± 2.5
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control[2]					68 ± 7.5
Positive Control[3]			62 ± 3.5	100 ± 4.8	
Positive Control[4]	870 ± 7.5	1057 ± 33.9			

Experiment Number: **344778**

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

G06: Ames Summary Data

Test Compound: **L-5-Hydroxytryptophan**

CAS Number: **4350-09-8**

Date Report Requested: **09/13/2018**

Time Report Requested: **14:57:43**

Strain: TA1535

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control[1]	17 ± 0.6
100.0	19 ± 4.4
333.0	16 ± 1.5
1000.0	10 ± 2.0
3333.0	10 ± 0.3
10000.0	10 ± 3.4
Trial Summary	Negative
Positive Control[2]	85 ± 2.1
Positive Control[3]	
Positive Control[4]	

Experiment Number: **344778**

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

G06: Ames Summary Data

Test Compound: **L-5-Hydroxytryptophan**

CAS Number: **4350-09-8**

Date Report Requested: **09/13/2018**

Time Report Requested: **14:57:43**

Strain: TA1537

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control[1]	4 ± 0.9	7 ± 1.3	6 ± 0.3	9 ± 0.3	9 ± 1.2
100.0	5 ± 1.5	8 ± 0.9	8 ± 0.7	8 ± 1.5	7 ± 0.7
333.0	6 ± 1.0	7 ± 1.2	8 ± 1.5	7 ± 2.3	7 ± 1.2
1000.0	7 ± 0.7	7 ± 0.9	5 ± 0.9	8 ± 2.7	8 ± 1.5
3333.0	6 ± 1.8	8 ± 1.8	9 ± 1.2	8 ± 1.5	6 ± 0.9
10000.0	6 ± 1.2	10 ± 3.0	6 ± 0.9	10 ± 1.0	5 ± 2.3
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control[2]					65 ± 8.5
Positive Control[3]			82 ± 2.3	254 ± 6.1	
Positive Control[5]	388 ± 44.2	180 ± 37.0			

Experiment Number: **344778**

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

G06: Ames Summary Data

Test Compound: **L-5-Hydroxytryptophan**

CAS Number: **4350-09-8**

Date Report Requested: **09/13/2018**

Time Report Requested: **14:57:43**

Strain: TA1537

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control[1]	8 ± 0.9
100.0	9 ± 1.8
333.0	10 ± 0.0
1000.0	12 ± 3.0
3333.0	10 ± 1.0
10000.0	8 ± 1.0
Trial Summary	Negative
Positive Control[2]	94 ± 4.5
Positive Control[3]	
Positive Control[5]	

Experiment Number: **344778**

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

G06: Ames Summary Data

Test Compound: **L-5-Hydroxytryptophan**

CAS Number: **4350-09-8**

Date Report Requested: **09/13/2018**

Time Report Requested: **14:57:43**

Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control[1]	12 ± 0.3	17 ± 1.5	26 ± 3.0	31 ± 2.9	21 ± 0.9
100.0	16 ± 1.5	19 ± 1.9	21 ± 1.2	37 ± 6.7	25 ± 1.5
333.0	18 ± 2.6	23 ± 3.8	26 ± 3.5	29 ± 3.2	19 ± 1.2
1000.0	12 ± 0.7	19 ± 3.2	26 ± 3.3	26 ± 3.5	19 ± 2.9
3333.0	14 ± 2.3	24 ± 1.5	25 ± 3.1	28 ± 3.7	25 ± 3.6
10000.0	11 ± 1.5	23 ± 0.3	22 ± 2.2	27 ± 3.8	23 ± 1.0
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control[2]					1079 ± 26.8
Positive Control[3]			1001 ± 30.4	1897 ± 8.8	
Positive Control[6]	1424 ± 22.5	1737 ± 38.8			

Experiment Number: **344778**

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

G06: Ames Summary Data

Test Compound: **L-5-Hydroxytryptophan**

CAS Number: **4350-09-8**

Date Report Requested: **09/13/2018**

Time Report Requested: **14:57:43**

Strain: TA98

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control[1]	38 ± 3.7
100.0	37 ± 3.2
333.0	27 ± 2.1
1000.0	27 ± 3.1
3333.0	31 ± 2.6
10000.0	34 ± 1.2
Trial Summary	Negative
Positive Control[2]	1391 ± 101.4
Positive Control[3]	
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: 0.75 ug/Plate 2-Aminoanthracene
3: 1.5 ug/Plate 2-Aminoanthracene
4: 2.5 ug/Plate Sodium Azide
5: 80.0 ug/Plate 9-Aminoacridine
6: 12.0 ug/Plate 4-Nitro-O-Phenylenediamine

** END OF REPORT **