Experiment Number: **872409**

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

G06: Ames Summary Data

Test Compound: **s-Trioxane**

CAS Number: **110-88-3**

Date Report Requested: **09/16/2018**

Time Report Requested: **16:39:40**

NTP Study Number: 872409

Study Result: Negative

Experiment Number: **872409**

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

G06: Ames Summary Data

Test Compound: **s-Trioxane**

CAS Number: **110-88-3**

Date Report Requested: **09/16/2018**

Time Report Requested: **16:39:40**

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 ± 7.3	121 ± 9.1	111 ± 5.4	128 ± 5.7	107 ± 5.2
100.0	111 ± 13.8	95 ± 8.9	121 ± 9.3	117 ± 6.0	106 ± 8.8
333.0	120 ± 0.6	109 ± 17.6	113 ± 8.2	114 ± 6.1	86 ± 5.6
1000.0	100 ± 13.9	111 ± 4.2	114 ± 7.7	114 ± 5.2	116 ± 4.0
3333.0	104 ± 8.5	107 ± 4.8	114 ± 4.9	124 ± 3.8	96 ± 3.5
10000.0	104 ± 7.5	114 ± 14.2	111 ± 5.0	130 ± 4.3	111 ± 10.0
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control[2]					1396 ± 32.2
Positive Control[3]			1213 ± 24.7		
Positive Control[4]				725 ± 13.6	
Positive Control[5]	1521 ± 42.0	1151 ± 12.0			

Experiment Number: **872409**

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

G06: Ames Summary Data

Test Compound: **s-Trioxane**

CAS Number: **110-88-3**

Date Report Requested: **09/16/2018**

Time Report Requested: **16:39:40**

Strain: TA100

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control[1]	109 ± 8.6
100.0	107 ± 7.2
333.0	99 ± 5.1
1000.0	110 ± 6.8
3333.0	105 ± 5.8
10000.0	92 ± 5.1
Trial Summary	Negative
Positive Control[2]	
Positive Control[3]	
Positive Control[4]	1843 ± 53.8
Positive Control[5]	

Experiment Number: **872409**

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

G06: Ames Summary Data

Test Compound: **s-Trioxane**

CAS Number: **110-88-3**

Date Report Requested: **09/16/2018**

Time Report Requested: **16:39:40**

Strain: TA1535

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control[1]	32 ± 7.8	24 ± 2.2	11 ± 0.3	13 ± 2.6	10 ± 1.9
100.0	26 ± 5.2	27 ± 1.5	10 ± 0.6	11 ± 2.9	8 ± 2.1
333.0	28 ± 2.6	26 ± 2.6	12 ± 3.8	10 ± 1.3	10 ± 2.1
1000.0	22 ± 4.9	30 ± 3.9	12 ± 0.3	12 ± 1.2	10 ± 1.8
3333.0	29 ± 1.7	26 ± 2.6	11 ± 2.9	13 ± 2.6	9 ± 0.9
10000.0	24 ± 0.7	31 ± 3.7	9 ± 2.9	10 ± 3.0	8 ± 0.6
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control[2]					124 ± 2.0
Positive Control[3]			92 ± 8.1		
Positive Control[4]				153 ± 8.0	
Positive Control[5]	1193 ± 10.1	998 ± 31.8			

Experiment Number: **872409**

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

G06: Ames Summary Data

Test Compound: **s-Trioxane**

CAS Number: **110-88-3**

Date Report Requested: **09/16/2018**

Time Report Requested: **16:39:40**

Strain: TA1535

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control[1]	8 ± 0.7
100.0	8 ± 2.5
333.0	9 ± 1.8
1000.0	11 ± 1.8
3333.0	5 ± 2.7
10000.0	13 ± 0.9
Trial Summary	Negative
Positive Control[2]	
Positive Control[3]	
Positive Control[4]	584 ± 10.7
Positive Control[5]	

Experiment Number: **872409**

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

G06: Ames Summary Data

Test Compound: **s-Trioxane**

CAS Number: **110-88-3**

Date Report Requested: **09/16/2018**

Time Report Requested: **16:39:40**

Strain: TA97

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control[1]	126 ± 2.7	105 ± 8.5	170 ± 6.2	150 ± 3.2	146 ± 6.0
100.0	133 ± 9.8	107 ± 6.4	182 ± 6.7	164 ± 7.7	145 ± 3.3
333.0	121 ± 1.9	107 ± 5.8	184 ± 6.7	148 ± 13.6	159 ± 6.4
1000.0	112 ± 9.8	106 ± 8.5	170 ± 7.6	173 ± 11.8	159 ± 1.7
3333.0	132 ± 7.8	108 ± 4.9	169 ± 4.6	154 ± 12.3	149 ± 2.6
10000.0	121 ± 0.7	107 ± 7.5	180 ± 4.9	164 ± 6.1	151 ± 3.8
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control[2]					731 ± 7.4
Positive Control[3]			742 ± 14.5		
Positive Control[4]				471 ± 6.7	
Positive Control[6]	696 ± 25.7	968 ± 28.6			

Experiment Number: **872409**

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

G06: Ames Summary Data

Test Compound: **s-Trioxane**

CAS Number: **110-88-3**

Date Report Requested: **09/16/2018**

Time Report Requested: **16:39:40**

Strain: TA97

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control[1]	138 ± 18.8
100.0	140 ± 1.7
333.0	154 ± 5.6
1000.0	144 ± 14.1
3333.0	130 ± 2.4
10000.0	142 ± 5.7
Trial Summary	Negative
Positive Control[2]	
Positive Control[3]	
Positive Control[4]	975 ± 27.2
Positive Control[6]	

Experiment Number: **872409**

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

G06: Ames Summary Data

Test Compound: **s-Trioxane**

CAS Number: **110-88-3**

Date Report Requested: **09/16/2018**

Time Report Requested: **16:39:40**

Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control[1]	15 ± 1.3	16 ± 0.6	36 ± 2.3	30 ± 4.0	35 ± 4.4
100.0	17 ± 3.2	14 ± 3.7	33 ± 2.3	30 ± 4.3	36 ± 1.9
333.0	21 ± 0.9	19 ± 1.5	32 ± 1.2	29 ± 3.8	37 ± 0.3
1000.0	18 ± 2.3	15 ± 1.0	30 ± 8.5	28 ± 2.0	34 ± 4.0
3333.0	21 ± 0.7	15 ± 1.8	27 ± 4.7	31 ± 1.2	37 ± 3.8
10000.0	15 ± 2.1	13 ± 2.4	33 ± 3.6	32 ± 3.5	36 ± 3.9
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control[2]					1358 ± 33.8
Positive Control[3]			1187 ± 121.5		
Positive Control[4]				745 ± 16.2	
Positive Control[7]	1474 ± 28.0	1633 ± 13.9			

Experiment Number: **872409**

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

G06: Ames Summary Data

Test Compound: **s-Trioxane**

CAS Number: **110-88-3**

Date Report Requested: **09/16/2018**

Time Report Requested: **16:39:40**

Strain: TA98

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control[1]	31 ± 0.3
100.0	33 ± 4.7
333.0	29 ± 1.2
1000.0	29 ± 1.0
3333.0	26 ± 1.7
10000.0	28 ± 5.5
Trial Summary	Negative
Positive Control[2]	
Positive Control[3]	
Positive Control[4]	1763 ± 58.0
Positive Control[7]	

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: 0.75 ug/Plate 2-Aminoanthracene
3: 1.5 ug/Plate 2-Aminoanthracene
4: 2.0 ug/Plate 2-Aminoanthracene
5: 2.5 ug/Plate Sodium Azide
6: 4.0 ug/Plate 9-Aminoacridine
7: 12.0 ug/Plate 4-Nitro-O-Phenylenediamine

** END OF REPORT **