Experiment Number: **566172**

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

G06: Ames Summary Data

Test Compound: **Nitroethane**

CAS Number: **79-24-3**

Date Report Requested: **09/14/2018**

Time Report Requested: **04:13:46**

NTP Study Number: 566172

Study Result: Negative

Experiment Number: **566172**

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

G06: Ames Summary Data

Test Compound: **Nitroethane**

CAS Number: **79-24-3**

Date Report Requested: **09/14/2018**

Time Report Requested: **04:13:46**

Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control[1]	91 ± 0.9	119 ± 2.1	90 ± 3.0	101 ± 8.7	104 ± 2.1
100.0	81 ± 4.3	109 ± 8.5	93 ± 8.5	127 ± 7.3	93 ± 8.8
333.3	77 ± 4.4	115 ± 1.2	97 ± 3.4	114 ± 10.3	96 ± 4.3
1000.0	80 ± 8.1	99 ± 5.9	105 ± 10.6	114 ± 5.5	95 ± 5.9
3333.3	98 ± 24.0	122 ± 3.5	103 ± 4.1	122 ± 6.9	90 ± 5.2
10000.0	102 ± 11.2	116 ± 11.3	94 ± 11.1[p]	138 ± 1.8	102 ± 11.2
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control[2]	352 ± 16.0	402 ± 44.8			
Positive Control[3]			458 ± 11.7	800 ± 18.5	1482 ± 54.3

Experiment Number: **566172**

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

G06: Ames Summary Data

Test Compound: **Nitroethane**

CAS Number: **79-24-3**

Date Report Requested: **09/14/2018**

Time Report Requested: **04:13:46**

Strain: TA100

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control[1]	103 ± 3.8
100.0	87 ± 12.2
333.3	86 ± 3.7
1000.0	87 ± 8.5
3333.3	97 ± 11.5
10000.0	105 ± 4.8[p]
Trial Summary	Negative
Positive Control[2]	
Positive Control[3]	973 ± 88.4

Experiment Number: **566172**

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

G06: Ames Summary Data

Test Compound: **Nitroethane**

CAS Number: **79-24-3**

Date Report Requested: **09/14/2018**

Time Report Requested: **04:13:46**

Strain: TA1535

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control[1]	11 ± 2.0	11 ± 1.2	7 ± 0.9	5 ± 0.9	5 ± 0.3
100.0	12 ± 2.0	16 ± 0.7	10 ± 1.8	10 ± 3.5	6 ± 1.7
333.3	7 ± 1.0	15 ± 1.0	6 ± 1.2	7 ± 1.3	7 ± 2.9
1000.0	7 ± 1.2	14 ± 2.4	5 ± 0.9	15 ± 8.6	7 ± 1.8
3333.3	10 ± 3.0	19 ± 3.2	6 ± 1.2	8 ± 0.9	6 ± 1.5
10000.0	10 ± 2.2	16 ± 2.7	9 ± 0.9	8 ± 0.6[p]	9 ± 1.9
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control[2]	285 ± 7.8	153 ± 18.0			
Positive Control[4]			416 ± 18.2	277 ± 26.0	404 ± 18.0

Experiment Number: **566172**

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

G06: Ames Summary Data

Test Compound: **Nitroethane**

CAS Number: **79-24-3**

Date Report Requested: **09/14/2018**

Time Report Requested: **04:13:46**

Strain: TA1535

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control[1]	8 ± 2.0
100.0	7 ± 1.5
333.3	6 ± 1.5
1000.0	4 ± 2.0
3333.3	9 ± 2.1
10000.0	7 ± 0.9[p]
Trial Summary	Negative
Positive Control[2]	
Positive Control[4]	325 ± 10.4

Experiment Number: **566172**

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

G06: Ames Summary Data

Test Compound: **Nitroethane**

CAS Number: **79-24-3**

Date Report Requested: **09/14/2018**

Time Report Requested: **04:13:46**

Strain: TA1537

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control[1]	7 ± 0.7	5 ± 1.9	8 ± 0.9	6 ± 1.8	7 ± 1.0
100.0	5 ± 1.5	10 ± 2.0	6 ± 0.9	5 ± 1.0	6 ± 0.6
333.3	4 ± 1.3	8 ± 2.2	6 ± 1.7	8 ± 1.3	3 ± 0.3
1000.0	6 ± 1.0	8 ± 1.2	5 ± 0.3	4 ± 1.8	3 ± 0.3
3333.3	4 ± 0.9	8 ± 1.0	4 ± 0.3	4 ± 1.0	5 ± 1.5
10000.0	5 ± 0.9	8 ± 1.5	3 ± 0.9	4 ± 0.9[p]	9 ± 3.7
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control[4]			432 ± 25.7	136 ± 5.0	466 ± 35.1
Positive Control[5]	312 ± 24.1	131 ± 13.5			

Experiment Number: **566172**

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

G06: Ames Summary Data

Test Compound: **Nitroethane**

CAS Number: **79-24-3**

Date Report Requested: **09/14/2018**

Time Report Requested: **04:13:46**

Strain: TA1537

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control[1]	4 ± 0.6
100.0	5 ± 0.9
333.3	3 ± 0.9
1000.0	4 ± 0.9
3333.3	3 ± 0.9
10000.0	4 ± 1.2[p]
Trial Summary	Negative
Positive Control[4]	233 ± 3.3
Positive Control[5]	

Experiment Number: **566172**

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

G06: Ames Summary Data

Test Compound: **Nitroethane**

CAS Number: **79-24-3**

Date Report Requested: **09/14/2018**

Time Report Requested: **04:13:46**

Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control[1]	24 ± 4.2	43 ± 3.6	24 ± 1.8	32 ± 3.2	33 ± 4.1
100.0	31 ± 3.4	31 ± 1.2	23 ± 2.3	41 ± 6.5	30 ± 4.9
333.3	28 ± 5.5	34 ± 1.3	20 ± 2.9	32 ± 6.0	28 ± 1.5
1000.0	30 ± 4.8	32 ± 2.6	23 ± 3.3	37 ± 4.7	23 ± 3.5
3333.3	20 ± 2.3	32 ± 1.3	25 ± 4.2	39 ± 3.5	34 ± 6.7
10000.0	22 ± 2.0	38 ± 3.8	20 ± 2.9	28 ± 4.2[p]	22 ± 2.2
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control[3]			884 ± 51.3	199 ± 20.8	1222 ± 59.4
Positive Control[6]	529 ± 11.8	543 ± 68.0			

Experiment Number: **566172**

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

G06: Ames Summary Data

Test Compound: **Nitroethane**

CAS Number: **79-24-3**

Date Report Requested: **09/14/2018**

Time Report Requested: **04:13:46**

Strain: TA98

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control[1]	32 ± 4.6
100.0	27 ± 1.5
333.3	26 ± 5.2
1000.0	33 ± 7.5
3333.3	28 ± 6.7
10000.0	31 ± 7.8[p]
Trial Summary	Negative
Positive Control[3]	560 ± 10.0
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 Sodium Azide
3: 1.0 ug/Plate 2-Aminoanthracene
4: 2.5 ug/Plate 2-Aminoanthracene
5: 50.0 ug/Plate 9-Aminoacridine
6: 5.0 ug/Plate 4-Nitro-O-Phenylenediamine
p: Precipitate

** END OF REPORT **