Experiment Number: **024373**

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

G06: Ames Summary Data

Test Compound: **Bromoethane (ethyl bromide)**

CAS Number: **74-96-4**

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

Time Report Requested: **13:12:27**

NTP Study Number: 024373

Study Result: Negative

Experiment Number: **024373**

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

G06: Ames Summary Data

Test Compound: **Bromoethane (ethyl bromide)**

CAS Number: **74-96-4**

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

Time Report Requested: **13:12:27**

Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control[1]	98 ± 1.2	101 ± 5.2	76 ± 5.0	115 ± 11.3	78 ± 2.8
100.0	87 ± 3.8	101 ± 0.6	98 ± 3.9	111 ± 6.2	81 ± 2.7
333.3	70 ± 4.3	105 ± 4.9	99 ± 3.0	106 ± 2.5	71 ± 12.4
1000.0	78 ± 7.5	96 ± 4.8	88 ± 2.0	119 ± 8.2	79 ± 2.8
3333.3	71 ± 8.2	107 ± 4.0	65 ± 6.4	103 ± 5.8	79 ± 5.8
10000.0	55 ± 3.3[s]	99 ± 3.5	53 ± 4.3[s]	65 ± 3.8[s]	75 ± 3.5
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control[2]	500 ± 10.9	535 ± 9.8			
Positive Control[3]			820 ± 22.7	563 ± 92.3	2001 ± 26.9

Experiment Number: **024373**

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

G06: Ames Summary Data

Test Compound: **Bromoethane (ethyl bromide)**

CAS Number: **74-96-4**

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

Time Report Requested: **13:12:27**

Strain: TA100

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control[1]	92 ± 5.2
100.0	94 ± 4.4
333.3	99 ± 7.0
1000.0	105 ± 2.6
3333.3	104 ± 6.6
10000.0	105 ± 8.4
Trial Summary	Negative
Positive Control[2]	
Positive Control[3]	1282 ± 16.4

Experiment Number: **024373**

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

G06: Ames Summary Data

Test Compound: **Bromoethane (ethyl bromide)**

CAS Number: **74-96-4**

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

Time Report Requested: **13:12:27**

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 ± 2.6	14 ± 3.3	5 ± 1.2	9 ± 2.0	4 ± 0.7
100.0	7 ± 1.5	8 ± 3.4	8 ± 2.2	8 ± 2.6	6 ± 1.2
333.3	7 ± 2.9	11 ± 3.5	7 ± 0.9	7 ± 0.6	6 ± 0.6
1000.0	7 ± 0.7	14 ± 0.6	10 ± 2.6	10 ± 1.9	11 ± 2.7
3333.3	10 ± 2.8	19 ± 1.3	8 ± 2.6	10 ± 2.2	7 ± 2.0
10000.0	5 ± 0.7	9 ± 2.3	2 ± 0.7[s]	5 ± 1.2[s]	5 ± 1.2[s]
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control[2]	354 ± 8.9	400 ± 33.0			
Positive Control[4]			313 ± 36.4	262 ± 23.4	294 ± 11.8

Experiment Number: **024373**

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

G06: Ames Summary Data

Test Compound: **Bromoethane (ethyl bromide)**

CAS Number: **74-96-4**

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

Time Report Requested: **13:12:27**

Strain: TA1535

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control[1]	7 ± 0.0
100.0	7 ± 1.8
333.3	6 ± 1.0
1000.0	8 ± 1.0
3333.3	14 ± 0.3
10000.0	16 ± 4.4
Trial Summary	Negative
Positive Control[2]	
Positive Control[4]	336 ± 12.4

Experiment Number: **024373**

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

G06: Ames Summary Data

Test Compound: **Bromoethane (ethyl bromide)**

CAS Number: **74-96-4**

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

Time Report Requested: **13:12:27**

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 ± 0.3	11 ± 2.3	5 ± 0.6	11 ± 2.5	6 ± 1.7
100.0	5 ± 0.7	7 ± 0.7	7 ± 0.7	13 ± 1.5	6 ± 0.3
333.3	3 ± 0.3	6 ± 1.5	6 ± 0.9	9 ± 1.7	8 ± 2.3
1000.0	3 ± 0.3	6 ± 1.5	7 ± 0.9	10 ± 0.9	5 ± 0.7
3333.3	3 ± 0.3	5 ± 0.3	8 ± 2.6	8 ± 0.6	6 ± 1.5
10000.0	2 ± 0.9	2 ± 0.7	4 ± 0.6[s]	5 ± 0.6[s]	7 ± 0.9
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control[4]			228 ± 26.0	433 ± 66.5	357 ± 19.4
Positive Control[5]	87 ± 29.8	156 ± 47.2			

Experiment Number: **024373**

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

G06: Ames Summary Data

Test Compound: **Bromoethane (ethyl bromide)**

CAS Number: **74-96-4**

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

Time Report Requested: **13:12:27**

Strain: TA1537

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control[1]	10 ± 1.8
100.0	11 ± 3.2
333.3	10 ± 2.3
1000.0	12 ± 2.6
3333.3	11 ± 1.7
10000.0	12 ± 1.5
Trial Summary	Negative
Positive Control[4]	604 ± 25.4
Positive Control[5]	

Experiment Number: **024373**

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

G06: Ames Summary Data

Test Compound: **Bromoethane (ethyl bromide)**

CAS Number: **74-96-4**

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

Time Report Requested: **13:12:27**

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 ± 3.1	21 ± 3.1	26 ± 1.3	29 ± 4.9	23 ± 2.7
100.0	24 ± 3.5	17 ± 1.3	25 ± 3.0	39 ± 4.4	27 ± 0.9
333.3	17 ± 0.3	20 ± 5.3	28 ± 4.5	39 ± 7.0	30 ± 4.5
1000.0	14 ± 2.3	15 ± 1.3	33 ± 2.9	32 ± 3.2	25 ± 3.2
3333.3	20 ± 2.7	19 ± 2.9	24 ± 4.2	19 ± 2.5	21 ± 5.7
10000.0	7 ± 1.2	14 ± 0.6	15 ± 2.8[s]	18 ± 3.2[s]	21 ± 3.6
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control[3]			369 ± 25.2	309 ± 49.9	1567 ± 157.2
Positive Control[6]	729 ± 11.0	651 ± 23.9			

Experiment Number: **024373**

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

G06: Ames Summary Data

Test Compound: **Bromoethane (ethyl bromide)**

CAS Number: **74-96-4**

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

Time Report Requested: **13:12:27**

Strain: TA98

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control[1]	24 ± 2.9
100.0	29 ± 1.9
333.3	29 ± 2.6
1000.0	25 ± 2.0
3333.3	18 ± 3.1
10000.0	22 ± 1.0
Trial Summary	Negative
Positive Control[3]	924 ± 31.4
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 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
s: Slight Toxicity

** END OF REPORT **