Experiment Number: **778372**

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

G06: Ames Summary Data

Test Compound: **Tetrakis(hydroxymethyl)phosphonium chloride**

CAS Number: **124-64-1**

Date Report Requested: **09/18/2018**

Time Report Requested: **00:58:10**

NTP Study Number: 778372

Study Result: Negative

Experiment Number: **778372**

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

G06: Ames Summary Data

Test Compound: **Tetrakis(hydroxymethyl)phosphonium chloride**

CAS Number: **124-64-1**

Date Report Requested: **09/18/2018**

Time Report Requested: **00:58:10**

Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control[1]	136 ± 7.5	111 ± 9.8	153 ± 15.5	170 ± 14.7	152 ± 9.5
0.33		102 ± 5.6		153 ± 10.4	
1.0		114 ± 7.5		142 ± 7.8	
3.3	73 ± 3.5	92 ± 9.1	144 ± 11.3	152 ± 4.3	145 ± 4.6
10.0	97 ± 6.0	107 ± 13.3	145 ± 15.9	176 ± 14.5	146 ± 4.0
33.0	119 ± 11.8	104 ± 5.0	128 ± 12.9	154 ± 6.3	137 ± 7.7
100.0	114 ± 4.1		Toxic		Toxic
333.0	80 ± 5.5		Toxic		Toxic
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control[2]			1535 ± 16.6	2085 ± 25.6	1502 ± 16.7
Positive Control[3]	518 ± 28.8	379 ± 15.2			

Experiment Number: **778372**

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

G06: Ames Summary Data

Test Compound: **Tetrakis(hydroxymethyl)phosphonium chloride**

CAS Number: **124-64-1**

Date Report Requested: **09/18/2018**

Time Report Requested: **00:58:10**

Strain: TA100

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control[1]	135 ± 5.5
0.33	133 ± 6.8
1.0	130 ± 14.3
3.3	128 ± 3.5
10.0	130 ± 8.4
33.0	135 ± 10.6
100.0	
333.0	
Trial Summary	Negative
Positive Control[2]	1009 ± 29.4
Positive Control[3]	

Experiment Number: **778372**

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

G06: Ames Summary Data

Test Compound: **Tetrakis(hydroxymethyl)phosphonium chloride**

CAS Number: **124-64-1**

Date Report Requested: **09/18/2018**

Time Report Requested: **00:58:10**

Strain: TA1535

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control[1]	5 ± 1.8	4 ± 0.6	8 ± 1.9	7 ± 1.5	7 ± 1.8
0.33		4 ± 1.0		6 ± 1.5	
1.0		5 ± 2.0		5 ± 0.6	
3.3	5 ± 1.3	5 ± 0.9	3 ± 0.7	4 ± 0.6	6 ± 0.0
10.0	3 ± 0.3	4 ± 0.9	5 ± 1.2	6 ± 1.2	7 ± 0.9
33.0	3 ± 0.6	5 ± 1.7	6 ± 0.7	5 ± 0.0	10 ± 0.3
100.0	5 ± 0.9		Toxic		Toxic
333.0	5 ± 1.2		Toxic		Toxic
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control[2]			49 ± 4.7	68 ± 5.2	38 ± 2.1
Positive Control[3]	177 ± 28.6	216 ± 51.1			

Experiment Number: **778372**

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

G06: Ames Summary Data

Test Compound: **Tetrakis(hydroxymethyl)phosphonium chloride**

CAS Number: **124-64-1**

Date Report Requested: **09/18/2018**

Time Report Requested: **00:58:10**

Strain: TA1535

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control[1]	6 ± 1.3
0.33	7 ± 0.6
1.0	8 ± 0.3
3.3	10 ± 2.3
10.0	7 ± 0.7
33.0	7 ± 0.7
100.0	
333.0	
Trial Summary	Negative
Positive Control[2]	140 ± 7.7
Positive Control[3]	

Experiment Number: **778372**

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

G06: Ames Summary Data

Test Compound: **Tetrakis(hydroxymethyl)phosphonium chloride**

CAS Number: **124-64-1**

Date Report Requested: **09/18/2018**

Time Report Requested: **00:58:10**

Strain: TA1537

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control[1]	3 ± 0.9	5 ± 0.3	4 ± 0.7	5 ± 1.5	8 ± 0.9
0.33		3 ± 1.2		7 ± 0.7	
1.0		4 ± 1.5		9 ± 1.5	
3.3	3 ± 0.0	3 ± 0.9	4 ± 0.6	5 ± 1.2	11 ± 0.3
10.0	3 ± 0.3	6 ± 0.7	5 ± 0.7	5 ± 0.6	9 ± 2.6
33.0	6 ± 1.2	8 ± 0.6	5 ± 1.2	5 ± 0.6	5 ± 1.5
100.0	4 ± 0.0		Toxic		Toxic
333.0	4 ± 0.3		Toxic		Toxic
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control[2]			78 ± 13.6	135 ± 15.5	112 ± 4.8
Positive Control[4]	2414 ± 42.7	1704 ± 82.3			

Experiment Number: **778372**

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

G06: Ames Summary Data

Test Compound: **Tetrakis(hydroxymethyl)phosphonium chloride**

CAS Number: **124-64-1**

Date Report Requested: **09/18/2018**

Time Report Requested: **00:58:10**

Strain: TA1537

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control[1]	7 ± 1.0
0.33	7 ± 1.2
1.0	5 ± 0.7
3.3	5 ± 2.5
10.0	8 ± 1.2
33.0	7 ± 1.7
100.0	
333.0	
Trial Summary	Negative
Positive Control[2]	68 ± 3.5
Positive Control[4]	

Experiment Number: **778372**

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

G06: Ames Summary Data

Test Compound: **Tetrakis(hydroxymethyl)phosphonium chloride**

CAS Number: **124-64-1**

Date Report Requested: **09/18/2018**

Time Report Requested: **00:58:10**

Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control[1]	19 ± 5.5	16 ± 0.9	32 ± 1.2	26 ± 4.2	27 ± 4.8
0.33		9 ± 0.3		17 ± 2.8	
1.0		11 ± 1.2		19 ± 1.2	
3.3	8 ± 1.9	8 ± 0.9	17 ± 1.0	24 ± 2.4	14 ± 2.0
10.0	10 ± 1.8	11 ± 1.8	16 ± 1.5	20 ± 2.1	21 ± 1.7
33.0	12 ± 1.7	12 ± 1.2	19 ± 0.3	21 ± 1.7	17 ± 2.2
100.0	11 ± 1.5		Toxic		Toxic
333.0	15 ± 2.6		Toxic		Toxic
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control[2]			1420 ± 20.7	719 ± 131.9	1024 ± 27.8
Positive Control[5]	278 ± 58.3	460 ± 22.8			

Experiment Number: **778372**

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

G06: Ames Summary Data

Test Compound: **Tetrakis(hydroxymethyl)phosphonium chloride**

CAS Number: **124-64-1**

Date Report Requested: **09/18/2018**

Time Report Requested: **00:58:10**

Strain: TA98

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control[1]	23 ± 1.2
0.33	20 ± 2.6
1.0	18 ± 2.4
3.3	14 ± 1.7
10.0	25 ± 4.1
33.0	25 ± 5.1
100.0	
333.0	
Trial Summary	Negative
Positive Control[2]	612 ± 9.0
Positive Control[5]	

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: 33.0 ug/Plate 9-Aminoacridine
5: 3.3 ug/Plate 4-Nitro-O-Phenylenediamine

** END OF REPORT **