NTP Study Number: 783054

Study Result: Negative

Experiment Number: **783054**

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

G06: Ames Summary Data

Test Compound: **Tri-m-cresyl phosphate**

CAS Number: **563-04-2**

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

Time Report Requested: **01:46:40**

Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control[1]	108 ± 3.2	122 ± 5.4	116 ± 7.8	119 ± 9.8	134 ± 8.3
100.0	129 ± 2.0	108 ± 6.9	134 ± 6.3	139 ± 6.1	142 ± 3.8
333.0	129 ± 5.0	129 ± 11.5	157 ± 14.0	119 ± 11.5	147 ± 6.7
1000.0	118 ± 1.9[p]	108 ± 9.3[p]	161 ± 8.4[p]	124 ± 5.8[p]	170 ± 4.2[p]
3333.0	130 ± 9.5[p]	113 ± 21.4[p]	136 ± 5.3[p]	110 ± 6.4[p]	141 ± 6.8[p]
10000.0	128 ± 11.1[p]	138 ± 13.4[p]	116 ± 16.4[p]	130 ± 17.5[p]	160 ± 4.3[p]
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control[2]	467 ± 18.0	477 ± 6.4			
Positive Control[3]			846 ± 26.4	820 ± 36.8	2355 ± 34.5

Experiment Number: **783054**

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G06: Ames Summary Data

Test Compound: **Tri-m-cresyl phosphate**

CAS Number: **563-04-2**

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

Time Report Requested: **01:46:40**

Strain: TA100

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control[1]	127 ± 11.7
100.0	116 ± 7.5
333.0	100 ± 0.3
1000.0	112 ± 8.7[p]
3333.0	109 ± 2.1[p]
10000.0	127 ± 4.7[p]
Trial Summary	Negative
Positive Control[2]	
Positive Control[3]	1511 ± 49.9

Experiment Number: **783054**

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

G06: Ames Summary Data

Test Compound: **Tri-m-cresyl phosphate**

CAS Number: **563-04-2**

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

Time Report Requested: **01:46:40**

Strain: TA1535

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control[1]	31 ± 0.7	35 ± 3.1	41 ± 5.5	30 ± 4.3	42 ± 3.6
100.0	33 ± 2.0	33 ± 3.4	33 ± 2.3	30 ± 1.2	42 ± 8.2
333.0	32 ± 2.3	29 ± 1.8	40 ± 6.1	27 ± 1.0	50 ± 5.5
1000.0	33 ± 3.3[p]	29 ± 4.0[p]	31 ± 3.2[p]	31 ± 1.7[p]	49 ± 5.2[p]
3333.0	28 ± 1.5[p]	34 ± 4.7[p]	26 ± 5.5[p]	35 ± 2.7[p]	45 ± 2.8[p]
10000.0	35 ± 3.0[p]	38 ± 3.8[p]	28 ± 5.5[p]	34 ± 5.2[p]	35 ± 3.4[p]
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control[2]	443 ± 29.1	399 ± 18.0			
Positive Control[4]			331 ± 13.7	266 ± 33.5	645 ± 25.2

Experiment Number: **783054**

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

G06: Ames Summary Data

Test Compound: **Tri-m-cresyl phosphate**

CAS Number: **563-04-2**

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

Time Report Requested: **01:46:40**

Strain: TA1535

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control[1]	29 ± 1.0
100.0	22 ± 3.8
333.0	24 ± 4.0
1000.0	28 ± 0.9[p]
3333.0	24 ± 2.3[p]
10000.0	27 ± 7.9[p]
Trial Summary	Negative
Positive Control[2]	
Positive Control[4]	563 ± 28.0

Experiment Number: **783054**

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

G06: Ames Summary Data

Test Compound: **Tri-m-cresyl phosphate**

CAS Number: **563-04-2**

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

Time Report Requested: **01:46:40**

Strain: TA1537

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control[1]	11 ± 1.8	5 ± 0.7	14 ± 1.2	12 ± 2.7	19 ± 4.7
100.0	8 ± 1.8	7 ± 1.9	12 ± 2.0	7 ± 0.9	20 ± 1.8
333.0	7 ± 0.6	4 ± 0.3	12 ± 2.6	9 ± 1.5	21 ± 3.8
1000.0	5 ± 1.8[p]	10 ± 1.3[p]	10 ± 3.7[p]	9 ± 2.5[p]	18 ± 6.2[p]
3333.0	5 ± 1.9[p]	10 ± 2.0[p]	8 ± 3.2[p]	7 ± 1.3[p]	20 ± 3.5[p]
10000.0	6 ± 0.9[p]	8 ± 1.5[p]	7 ± 1.5[p]	7 ± 0.6[p]	13 ± 1.2[p]
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control[4]			266 ± 9.8	241 ± 15.6	591 ± 16.8
Positive Control[5]	388 ± 33.5	205 ± 40.4			

Experiment Number: **783054**

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

G06: Ames Summary Data

Test Compound: **Tri-m-cresyl phosphate**

CAS Number: **563-04-2**

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

Time Report Requested: **01:46:40**

Strain: TA1537

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control[1]	8 ± 0.9
100.0	12 ± 2.5
333.0	6 ± 1.2
1000.0	11 ± 2.9[p]
3333.0	9 ± 1.7[p]
10000.0	6 ± 1.3[p]
Trial Summary	Negative
Positive Control[4]	465 ± 15.2
Positive Control[5]	

Experiment Number: **783054**

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

G06: Ames Summary Data

Test Compound: **Tri-m-cresyl phosphate**

CAS Number: **563-04-2**

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

Time Report Requested: **01:46:40**

Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control[1]	28 ± 2.2	19 ± 2.6	37 ± 2.3	35 ± 1.0	48 ± 5.8
100.0	26 ± 3.6	19 ± 2.9	37 ± 3.7	37 ± 4.0	42 ± 3.4
333.0	21 ± 2.3	18 ± 0.6	36 ± 4.6	35 ± 2.3	55 ± 6.3
1000.0	17 ± 0.3[p]	18 ± 1.2[p]	28 ± 2.5[p]	33 ± 0.3[p]	55 ± 2.9[p]
3333.0	17 ± 3.6[p]	22 ± 1.5[p]	18 ± 3.5[p]	33 ± 1.5[p]	42 ± 7.8[p]
10000.0	13 ± 1.9[p]	26 ± 3.0[p]	29 ± 2.8[p]	24 ± 4.4[p]	0 ± 0.3[p]
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control[3]			436 ± 5.1	591 ± 44.4	1856 ± 19.6
Positive Control[6]	758 ± 14.2	722 ± 8.2			

Experiment Number: **783054**

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

G06: Ames Summary Data

Test Compound: **Tri-m-cresyl phosphate**

CAS Number: **563-04-2**

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

Time Report Requested: **01:46:40**

Strain: TA98

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control[1]	37 ± 3.0
100.0	53 ± 17.0
333.0	36 ± 2.6
1000.0	33 ± 3.8[p]
3333.0	27 ± 4.1[p]
10000.0	32 ± 3.6[p]
Trial Summary	Negative
Positive Control[3]	1102 ± 66.6
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: 95% Ethanol
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 **