Experiment Number: **616824**

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

G06: Ames Summary Data

Test Compound: **Sodium phosphate, dibasic**

CAS Number: **7558-79-4**

Date Report Requested: **09/15/2018**

Time Report Requested: **07:28:50**

NTP Study Number: 616824

Study Result: Negative

Experiment Number: **616824**

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

G06: Ames Summary Data

Test Compound: **Sodium phosphate, dibasic**

CAS Number: **7558-79-4**

Date Report Requested: **09/15/2018**

Time Report Requested: **07:28:50**

Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control[1]	146 ± 10.1	149 ± 2.7	148 ± 7.0	137 ± 10.3	151 ± 8.5
100.0	129 ± 5.8	137 ± 12.0	137 ± 4.6	125 ± 2.8	156 ± 3.8
333.0	135 ± 14.8	138 ± 5.6	154 ± 7.0	128 ± 5.5	145 ± 10.7
1000.0	136 ± 3.3	144 ± 10.5	135 ± 4.8	120 ± 4.3	143 ± 6.1
3333.0	140 ± 8.1	137 ± 3.0	150 ± 8.6	116 ± 11.5	142 ± 5.0
10000.0	128 ± 0.3	138 ± 4.4	134 ± 7.9	116 ± 11.3	133 ± 2.9
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control[2]					1429 ± 69.2
Positive Control[3]			989 ± 36.0	852 ± 31.5	
Positive Control[4]	998 ± 34.9	861 ± 28.7			

Experiment Number: **616824**

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

G06: Ames Summary Data

Test Compound: **Sodium phosphate, dibasic**

CAS Number: **7558-79-4**

Date Report Requested: **09/15/2018**

Time Report Requested: **07:28:50**

Strain: TA100

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control[1]	116 ± 4.8
100.0	115 ± 3.5
333.0	115 ± 9.7
1000.0	125 ± 7.2
3333.0	115 ± 8.0
10000.0	103 ± 9.0
Trial Summary	Negative
Positive Control[2]	1126 ± 50.8
Positive Control[3]	
Positive Control[4]	

Experiment Number: **616824**

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

G06: Ames Summary Data

Test Compound: **Sodium phosphate, dibasic**

CAS Number: **7558-79-4**

Date Report Requested: **09/15/2018**

Time Report Requested: **07:28:50**

Strain: TA1535

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control[1]	24 ± 5.5	37 ± 3.6	13 ± 2.2	11 ± 1.8	14 ± 0.7
100.0	27 ± 3.6	31 ± 3.2	12 ± 3.3	16 ± 1.9	14 ± 1.3
333.0	27 ± 3.5	30 ± 1.7	13 ± 1.2	12 ± 2.0	6 ± 0.6
1000.0	23 ± 2.1	31 ± 3.2	14 ± 1.9	14 ± 2.9	14 ± 1.2
3333.0	26 ± 2.3	32 ± 4.5	15 ± 1.0	15 ± 2.5	9 ± 0.9
10000.0	19 ± 2.9	30 ± 3.1	12 ± 0.7	14 ± 2.6	12 ± 2.3
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control[2]					71 ± 6.1
Positive Control[3]			56 ± 7.5	75 ± 5.9	
Positive Control[4]	718 ± 33.0	737 ± 13.2			

Experiment Number: **616824**

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

G06: Ames Summary Data

Test Compound: **Sodium phosphate, dibasic**

CAS Number: **7558-79-4**

Date Report Requested: **09/15/2018**

Time Report Requested: **07:28:50**

Strain: TA1535

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control[1]	14 ± 2.5
100.0	14 ± 1.3
333.0	9 ± 0.6
1000.0	11 ± 2.6
3333.0	11 ± 0.6
10000.0	13 ± 1.3
Trial Summary	Negative
Positive Control[2]	101 ± 2.6
Positive Control[3]	
Positive Control[4]	

Experiment Number: **616824**

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

G06: Ames Summary Data

Test Compound: **Sodium phosphate, dibasic**

CAS Number: **7558-79-4**

Date Report Requested: **09/15/2018**

Time Report Requested: **07:28:50**

Strain: TA1537

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control[1]	8 ± 2.1	8 ± 1.5	5 ± 1.9	12 ± 2.2	6 ± 0.3
100.0	7 ± 2.9	8 ± 1.5	7 ± 0.9	10 ± 0.0	9 ± 1.5
333.0	4 ± 0.9	10 ± 1.5	6 ± 1.5	7 ± 1.5	8 ± 1.8
1000.0	6 ± 1.5	5 ± 0.6	7 ± 1.5	11 ± 0.7	7 ± 1.2
3333.0	5 ± 0.3	9 ± 2.5	6 ± 1.5	11 ± 2.1	8 ± 0.3
10000.0	6 ± 0.7	9 ± 0.0	6 ± 0.9	10 ± 1.5	7 ± 2.0
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control[2]					98 ± 7.4
Positive Control[3]			63 ± 2.7	76 ± 3.7	
Positive Control[5]	411 ± 51.1	282 ± 95.0			

Experiment Number: **616824**

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

G06: Ames Summary Data

Test Compound: **Sodium phosphate, dibasic**

CAS Number: **7558-79-4**

Date Report Requested: **09/15/2018**

Time Report Requested: **07:28:50**

Strain: TA1537

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control[1]	11 ± 1.5
100.0	8 ± 1.2
333.0	8 ± 0.9
1000.0	8 ± 1.5
3333.0	14 ± 3.2
10000.0	10 ± 2.0
Trial Summary	Negative
Positive Control[2]	104 ± 5.9
Positive Control[3]	
Positive Control[5]	

Experiment Number: **616824**

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

G06: Ames Summary Data

Test Compound: **Sodium phosphate, dibasic**

CAS Number: **7558-79-4**

Date Report Requested: **09/15/2018**

Time Report Requested: **07:28:50**

Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control[1]	17 ± 2.6	15 ± 1.2	29 ± 4.3	27 ± 1.9	26 ± 2.0
100.0	12 ± 1.5	21 ± 0.7	25 ± 1.5	27 ± 3.4	25 ± 2.6
333.0	17 ± 2.6	20 ± 2.2	26 ± 1.7	32 ± 2.5	28 ± 6.2
1000.0	19 ± 2.6	16 ± 1.2	22 ± 2.7	32 ± 1.8	28 ± 3.5
3333.0	13 ± 3.0	25 ± 2.5	26 ± 4.5	32 ± 3.3	31 ± 3.5
10000.0	19 ± 2.2	21 ± 1.3	25 ± 3.2	25 ± 1.9	31 ± 3.0
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control[2]					971 ± 150.4
Positive Control[3]			544 ± 10.8	710 ± 48.1	
Positive Control[6]	1547 ± 40.1	1161 ± 20.0			

Experiment Number: **616824**

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

G06: Ames Summary Data

Test Compound: **Sodium phosphate, dibasic**

CAS Number: **7558-79-4**

Date Report Requested: **09/15/2018**

Time Report Requested: **07:28:50**

Strain: TA98

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control[1]	31 ± 2.1
100.0	26 ± 2.3
333.0	30 ± 4.9
1000.0	25 ± 2.4
3333.0	30 ± 0.7
10000.0	31 ± 2.3
Trial Summary	Negative
Positive Control[2]	995 ± 32.9
Positive Control[3]	
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: Water
2: 0.75 ug/Plate 2-Aminoanthracene
3: 1.5 ug/Plate 2-Aminoanthracene
4: 2.5 ug/Plate Sodium Azide
5: 80.0 ug/Plate 9-Aminoacridine
6: 12.0 ug/Plate 4-Nitro-O-Phenylenediamine

** END OF REPORT **