NTP Study Number: 003881

Study Result: Negative

Experiment Number: **003881**

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

G06: Ames Summary Data

Test Compound: **Dimethyl terephthalate**

CAS Number: **120-61-6**

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

Time Report Requested: **00:15:35**

Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control[1]	138 ± 4.5	148 ± 3.8	139 ± 8.4	134 ± 7.2	153 ± 0.6
3.3	131 ± 2.0	139 ± 8.3	136 ± 6.2	143 ± 4.4	126 ± 10.7
10.0	128 ± 11.1	135 ± 5.7	132 ± 8.5	140 ± 4.9	138 ± 3.8
33.0	128 ± 8.0	122 ± 8.4	151 ± 12.7	141 ± 4.2	134 ± 2.9
100.0	135 ± 13.5	144 ± 5.8	132 ± 12.3	120 ± 10.4	135 ± 9.1
333.0	124 ± 2.9	138 ± 3.2	146 ± 2.6	118 ± 6.2	134 ± 7.2
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control[2]					1077 ± 47.5
Positive Control[3]			1187 ± 15.9	1237 ± 47.4	
Positive Control[4]	1210 ± 22.9	1124 ± 59.1			

Experiment Number: **003881**

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

G06: Ames Summary Data

Test Compound: **Dimethyl terephthalate**

CAS Number: **120-61-6**

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

Time Report Requested: **00:15:35**

Strain: TA100

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control[1]	185 ± 6.3
3.3	170 ± 6.7
10.0	187 ± 13.2
33.0	164 ± 7.5
100.0	185 ± 3.2
333.0	171 ± 7.4
Trial Summary	Negative
Positive Control[2]	1218 ± 17.7
Positive Control[3]	
Positive Control[4]	

Experiment Number: **003881**

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

G06: Ames Summary Data

Test Compound: **Dimethyl terephthalate**

CAS Number: **120-61-6**

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

Time Report Requested: **00:15:35**

Strain: TA1535

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control[1]	29 ± 6.4	29 ± 3.8	10 ± 2.2	13 ± 1.2	13 ± 2.7
3.3	23 ± 1.5	25 ± 2.1	11 ± 0.6	13 ± 1.8	11 ± 2.0
10.0	19 ± 4.7	27 ± 2.4	15 ± 1.0	13 ± 0.9	9 ± 0.7
33.0	22 ± 1.5	27 ± 1.5	13 ± 2.3	11 ± 1.8	15 ± 1.9
100.0	22 ± 1.8	26 ± 3.5	15 ± 0.9	13 ± 1.7	10 ± 1.9
333.0	22 ± 5.7	31 ± 2.3	9 ± 1.5	7 ± 3.0	10 ± 2.4
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control[2]					81 ± 4.9
Positive Control[3]			52 ± 2.0	74 ± 4.7	
Positive Control[4]	930 ± 55.0	882 ± 16.8			

Experiment Number: **003881**

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

G06: Ames Summary Data

Test Compound: **Dimethyl terephthalate**

CAS Number: **120-61-6**

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

Time Report Requested: **00:15:35**

Strain: TA1535

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control[1]	13 ± 2.4
3.3	14 ± 1.0
10.0	10 ± 2.0
33.0	13 ± 2.4
100.0	14 ± 2.4
333.0	14 ± 2.3
Trial Summary	Negative
Positive Control[2]	82 ± 4.0
Positive Control[3]	
Positive Control[4]	

Experiment Number: **003881**

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

G06: Ames Summary Data

Test Compound: **Dimethyl terephthalate**

CAS Number: **120-61-6**

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

Time Report Requested: **00:15:35**

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 ± 1.0	9 ± 2.8	5 ± 0.3	8 ± 0.3	7 ± 1.5
3.3	8 ± 1.7	5 ± 0.6	7 ± 3.0	6 ± 1.7	8 ± 2.0
10.0	6 ± 1.2	7 ± 2.7	7 ± 1.5	9 ± 0.7	8 ± 1.5
33.0	6 ± 1.2	5 ± 0.9	9 ± 1.7	9 ± 0.9	10 ± 2.7
100.0	8 ± 0.3	5 ± 0.3	6 ± 1.8	8 ± 2.3	9 ± 0.7
333.0	4 ± 0.9	5 ± 0.3	10 ± 1.7	8 ± 0.9	8 ± 0.6
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control[2]					88 ± 3.0
Positive Control[3]			79 ± 2.9	93 ± 8.2	
Positive Control[5]	361 ± 98.2	424 ± 1.3			

Experiment Number: **003881**

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

G06: Ames Summary Data

Test Compound: **Dimethyl terephthalate**

CAS Number: **120-61-6**

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

Time Report Requested: **00:15:35**

Strain: TA1537

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control[1]	10 ± 1.2
3.3	11 ± 0.9
10.0	7 ± 2.2
33.0	6 ± 2.6
100.0	11 ± 0.3
333.0	10 ± 1.3
Trial Summary	Negative
Positive Control[2]	82 ± 1.5
Positive Control[3]	
Positive Control[5]	

Experiment Number: **003881**

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

G06: Ames Summary Data

Test Compound: **Dimethyl terephthalate**

CAS Number: **120-61-6**

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

Time Report Requested: **00:15:35**

Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control[1]	18 ± 1.2	20 ± 2.3	23 ± 1.5	33 ± 1.5	26 ± 2.6
3.3	17 ± 1.7	16 ± 1.7	30 ± 4.2	21 ± 1.2	28 ± 1.7
10.0	16 ± 2.3	14 ± 3.2	30 ± 3.5	28 ± 3.5	36 ± 2.6
33.0	22 ± 0.6	16 ± 3.4	29 ± 0.3	21 ± 1.9	29 ± 2.8
100.0	17 ± 0.9	16 ± 2.4	29 ± 1.5	23 ± 2.0	24 ± 2.1
333.0	17 ± 1.0	13 ± 2.0	28 ± 0.9	26 ± 3.1	31 ± 1.2
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control[2]					1084 ± 39.5
Positive Control[3]			945 ± 14.6	814 ± 56.0	
Positive Control[6]	1239 ± 42.7	1407 ± 24.0			

Experiment Number: **003881**

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

G06: Ames Summary Data

Test Compound: **Dimethyl terephthalate**

CAS Number: **120-61-6**

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

Time Report Requested: **00:15:35**

Strain: TA98

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control[1]	31 ± 2.4
3.3	32 ± 2.4
10.0	32 ± 2.6
33.0	31 ± 6.2
100.0	34 ± 3.5
333.0	34 ± 4.6
Trial Summary	Negative
Positive Control[2]	961 ± 11.1
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: Dimethyl Sulfoxide
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 **