

Experiment Number: 364986

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

G06: Ames Summary Data

Test Compound: **Diethyl phthalate**

CAS Number: **84-66-2**

Date Report Requested: **09/13/2018**

Time Report Requested: **21:00:14**

NTP Study Number:

364986

Study Result:

Negative

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Test Compound: Diethyl phthalate
CAS Number: 84-66-2

Date Report Requested: 09/13/2018

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Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	105 ± 6.7	106 ± 2.9	138 ± 7.5	178 ± 33.8	132 ± 9.2
100.0	99 ± 6.1	118 ± 7.3	151 ± 4.3	174 ± 12.2	137 ± 5.2
333.0	103 ± 13.3	123 ± 10.8	141 ± 8.3	193 ± 18.7	132 ± 2.9
1000.0	81 ± 2.4	90 ± 11.0	140 ± 2.6	170 ± 6.5	127 ± 18.1
3333.0	90 ± 4.4	105 ± 5.2	139 ± 4.5	174 ± 9.2	133 ± 2.9
10000.0	67 ± 3.5	83 ± 5.0	161 ± 3.5	172 ± 8.3	132 ± 6.0
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²			1044 ± 14.7	1684 ± 89.9	2281 ± 69.4
Positive Control ³	659 ± 23.0	566 ± 22.8			

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Strain: TA100

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	155 ± 11.6
100.0	171 ± 5.2
333.0	160 ± 4.5
1000.0	164 ± 8.1
3333.0	189 ± 16.8
10000.0	151 ± 3.0
Trial Summary	Negative
Positive Control ²	3024 ± 210.7
Positive Control ³	

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Mutagenicity**G06: Ames Summary Data**

Test Compound: Diethyl phthalate

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Date Report Requested: 09/13/2018

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Strain: TA1535

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	4 ± 1.2	4 ± 0.9	5 ± 0.7	6 ± 0.7	4 ± 0.9
100.0	5 ± 1.0	5 ± 1.5	3 ± 0.6	3 ± 0.9	4 ± 0.3
333.0	3 ± 0.3	4 ± 0.6	5 ± 0.0	5 ± 0.7	4 ± 0.9
1000.0	2 ± 0.3	4 ± 1.2	2 ± 0.6	6 ± 2.0	3 ± 0.7
3333.0	2 ± 0.3	3 ± 1.0	4 ± 0.9	7 ± 1.2	1 ± 0.0
10000.0	1 ± 0.3	2 ± 0.6	4 ± 0.6	4 ± 0.7	2 ± 0.0
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²			28 ± 5.7	66 ± 8.8	79 ± 2.7
Positive Control ³	296 ± 6.6	609 ± 19.2			

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Test Compound: Diethyl phthalate

CAS Number: 84-66-2

Date Report Requested: 09/13/2018

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Strain: TA1535

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	5 ± 0.3
100.0	5 ± 0.6
333.0	5 ± 0.9
1000.0	6 ± 1.2
3333.0	3 ± 0.9
10000.0	3 ± 0.6
Trial Summary	Negative
Positive Control ²	91 ± 8.4
Positive Control ³	

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Test Compound: Diethyl phthalate

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Strain: TA1537

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	10 ± 4.7	7 ± 1.7	18 ± 3.1	9 ± 1.8	10 ± 0.7
100.0	8 ± 0.6	3 ± 1.5	16 ± 0.9	9 ± 1.0	6 ± 0.3
333.0	9 ± 0.9	6 ± 0.3	13 ± 1.0	6 ± 0.6	5 ± 0.0
1000.0	7 ± 0.7	3 ± 1.2	14 ± 0.9	7 ± 2.6	7 ± 0.0
3333.0	4 ± 2.0	3 ± 0.9	11 ± 2.1	8 ± 1.7	6 ± 0.9
10000.0	5 ± 0.3	2 ± 1.2	10 ± 0.7	6 ± 0.7	5 ± 1.5
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²			121 ± 4.1	49 ± 5.5	675 ± 15.3
Positive Control ⁴	788 ± 169.0	1206 ± 432.4			

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Date Report Requested: 09/13/2018

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Strain: TA1537

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	12 ± 1.7
100.0	5 ± 1.5
333.0	8 ± 1.2
1000.0	7 ± 0.7
3333.0	8 ± 1.0
10000.0	5 ± 0.3
Trial Summary	Negative
Positive Control ²	284 ± 16.5
Positive Control ⁴	

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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 ± 4.1	17 ± 2.0	21 ± 0.0	23 ± 2.7	21 ± 3.8
100.0	19 ± 3.8	13 ± 3.0	26 ± 2.0	26 ± 1.5	27 ± 1.8
333.0	19 ± 3.8	18 ± 0.7	22 ± 2.6	17 ± 4.1	26 ± 1.0
1000.0	18 ± 3.4	13 ± 3.5	25 ± 1.5	25 ± 1.2	29 ± 3.8
3333.0	17 ± 0.3	16 ± 1.5	21 ± 1.2	19 ± 2.1	17 ± 1.5
10000.0	21 ± 3.5	18 ± 2.2	19 ± 1.5	18 ± 1.7	24 ± 0.7
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²			844 ± 78.7	577 ± 25.6	1725 ± 61.8
Positive Control ⁵	430 ± 13.0	369 ± 9.0			

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Date Report Requested: 09/13/2018

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Strain: TA98

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	25 ± 6.7
100.0	27 ± 3.2
333.0	24 ± 6.4
1000.0	22 ± 6.7
3333.0	20 ± 2.6
10000.0	19 ± 5.0
Trial Summary	Negative
Positive Control ²	2390 ± 167.8
Positive Control ⁵	

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LEGEND

Values given as Mean or Mean \pm 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 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 ****