

Experiment Number: 474795

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

G06: Ames Summary Data

Test Compound: **Tetraethyl lead**

CAS Number: **78-00-2**

Date Report Requested: **09/11/2018**

Time Report Requested: **16:34:29**

NTP Study Number:

474795

Study Result:

Negative

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Test Compound: Tetraethyl lead

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Date Report Requested: 09/11/2018

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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	129 ± 5.6	114 ± 7.5	178 ± 14.4	159 ± 12.3	176 ± 3.3
10.0	126 ± 7.5	103 ± 4.2	168 ± 23.5	149 ± 2.6	171 ± 6.9
33.0	126 ± 7.1	110 ± 8.4	163 ± 6.5	147 ± 3.0	200 ± 6.4
100.0	119 ± 5.0	103 ± 0.9	153 ± 5.0	139 ± 1.0	178 ± 13.0
333.0	104 ± 5.8	100 ± 4.6	143 ± 19.8	138 ± 5.0	173 ± 2.3
1000.0	117 ± 7.7	100 ± 1.8	164 ± 7.0	148 ± 0.9	163 ± 15.2
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²			506 ± 29.4	383 ± 43.1	1039 ± 97.0
Positive Control ³	495 ± 28.7	317 ± 62.8			

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Strain: TA100

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	169 ± 4.7
10.0	155 ± 8.0
33.0	155 ± 18.6
100.0	158 ± 6.8
333.0	132 ± 17.0
1000.0	166 ± 6.2
Trial Summary	Negative
Positive Control ²	966 ± 83.9
Positive Control ³	

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Test Compound: Tetraethyl lead

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Date Report Requested: 09/11/2018

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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	9 ± 2.0	9 ± 0.9	16 ± 3.1	16 ± 1.8	13 ± 1.5
10.0	7 ± 1.2	9 ± 1.2	16 ± 1.9	15 ± 0.7	7 ± 0.9
33.0	8 ± 0.6	8 ± 0.9	16 ± 1.7	20 ± 3.0	13 ± 0.7
100.0	7 ± 0.9	6 ± 1.8	12 ± 2.3	14 ± 1.5	7 ± 1.7
333.0	5 ± 0.3	5 ± 0.6	11 ± 0.6	11 ± 2.0	7 ± 1.3
1000.0	7 ± 0.3	9 ± 1.2	7 ± 1.5	11 ± 2.1	7 ± 0.7
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²			28 ± 5.8	30 ± 1.7	48 ± 9.9
Positive Control ³	364 ± 87.3	346 ± 52.5			

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Test Compound: **Tetraethyl lead**

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Strain: TA1535

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	13 ± 1.2
10.0	11 ± 2.3
33.0	15 ± 1.2
100.0	13 ± 2.8
333.0	12 ± 2.9
1000.0	10 ± 2.0
Trial Summary	Negative
Positive Control ²	63 ± 7.8
Positive Control ³	

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Test Type: Genetic Toxicology - Bacterial
Mutagenicity**G06: Ames Summary Data**

Test Compound: Tetraethyl lead

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Date Report Requested: 09/11/2018

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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	6 ± 3.5	7 ± 0.7	10 ± 1.7	11 ± 1.0	9 ± 0.9
10.0	6 ± 3.4	6 ± 0.3	9 ± 1.8	9 ± 0.3	6 ± 2.4
33.0	6 ± 1.2	6 ± 0.7	11 ± 2.3	11 ± 0.9	6 ± 1.2
100.0	6 ± 3.5	6 ± 0.6	9 ± 3.0	10 ± 0.0	8 ± 0.3
333.0	6 ± 0.9	6 ± 0.6	7 ± 1.2	9 ± 1.3	6 ± 0.9
1000.0	3 ± 0.6	5 ± 0.3	6 ± 0.9	9 ± 1.2	4 ± 0.3
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²			32 ± 1.8	35 ± 0.3	66 ± 3.0
Positive Control ⁴	331 ± 26.9	122 ± 11.0			

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Strain: TA1537

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	10 ± 1.2
10.0	8 ± 0.7
33.0	7 ± 0.3
100.0	8 ± 0.6
333.0	7 ± 0.3
1000.0	7 ± 1.5
Trial Summary	Negative
Positive Control ²	86 ± 9.7
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	18 ± 0.9	13 ± 2.9	24 ± 6.6	20 ± 1.3	34 ± 1.7
10.0	19 ± 2.3	11 ± 1.5	32 ± 3.3	19 ± 2.2	50 ± 4.0
33.0	18 ± 0.9	15 ± 1.5	32 ± 5.8	16 ± 2.6	60 ± 8.8
100.0	19 ± 2.0	13 ± 0.9	21 ± 1.7	10 ± 0.3	49 ± 4.9
333.0	20 ± 1.2	13 ± 0.9	24 ± 1.7	12 ± 0.7	43 ± 2.0
1000.0	18 ± 1.5	9 ± 1.9	29 ± 4.4	14 ± 0.9	39 ± 4.1
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²			292 ± 50.5	308 ± 33.3	760 ± 114.0
Positive Control ⁵	325 ± 98.5	124 ± 36.6			

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Strain: TA98

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	18 ± 1.8
10.0	15 ± 0.9
33.0	16 ± 1.2
100.0	15 ± 1.5
333.0	18 ± 4.8
1000.0	14 ± 3.6
Trial Summary	Negative
Positive Control ²	999 ± 68.5
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 ****