

Experiment Number: 412531

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

G06: Ames Summary Data

Test Compound: **Tetramethylsuccinonitrile**

CAS Number: 3333-52-6

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

Time Report Requested: **23:10:31**

NTP Study Number:

412531

Study Result:

Negative

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G06: Ames Summary Data

Test Compound: Tetramethylsuccinonitrile
CAS Number: 3333-52-6

Date Report Requested: 09/14/2018

Time Report Requested: 23:10:31

Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control ¹	94 ± 9.2	101 ± 9.0	97 ± 3.8	118 ± 1.8	86 ± 1.5
100.0	89 ± 11.4	96 ± 8.7	97 ± 4.8	112 ± 1.7	83 ± 8.5
333.0	96 ± 8.4	86 ± 4.2	95 ± 6.2	102 ± 0.3	84 ± 2.9
1000.0	98 ± 7.2	102 ± 3.5	95 ± 5.2	119 ± 6.1	81 ± 11.6
3333.0	89 ± 2.7	99 ± 3.4	81 ± 8.9	103 ± 7.0	71 ± 8.6
10000.0	103 ± 7.2	103 ± 3.8	73 ± 4.1	95 ± 3.5	85 ± 3.5
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					1499 ± 27.5
Positive Control ³			2013 ± 9.9		
Positive Control ⁴				1119 ± 11.0	
Positive Control ⁵	972 ± 41.0	947 ± 35.5			

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Strain: TA100

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	105 ± 6.5
100.0	91 ± 3.7
333.0	88 ± 2.6
1000.0	76 ± 3.7
3333.0	89 ± 5.2
10000.0	85 ± 3.9
Trial Summary	Negative
Positive Control ²	
Positive Control ³	
Positive Control ⁴	2018 ± 18.4
Positive Control ⁵	

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Date Report Requested: 09/14/2018

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Strain: TA1535

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control ¹	19 ± 2.1	18 ± 1.5	11 ± 2.9	15 ± 2.6	8 ± 1.8
100.0	14 ± 1.5	21 ± 1.5	11 ± 0.9	11 ± 1.7	7 ± 2.1
333.0	22 ± 0.6	22 ± 5.5	12 ± 0.9	14 ± 3.4	9 ± 1.5
1000.0	20 ± 4.1	22 ± 3.7	7 ± 1.2	12 ± 0.9	8 ± 1.2
3333.0	20 ± 1.3	19 ± 3.8	10 ± 2.3	11 ± 2.2	14 ± 1.8
10000.0	25 ± 1.9	29 ± 1.8 ^s	8 ± 1.5	11 ± 1.3	10 ± 1.2
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					122 ± 6.5
Positive Control ³			116 ± 2.2		
Positive Control ⁴				170 ± 6.2	
Positive Control ⁵	856 ± 15.4	929 ± 24.6			

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CAS Number: 3333-52-6

Date Report Requested: 09/14/2018

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Strain: TA1535

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	10 ± 1.8
100.0	10 ± 1.2
333.0	8 ± 1.2
1000.0	12 ± 1.0
3333.0	11 ± 0.9
10000.0	6 ± 0.9
Trial Summary	Negative
Positive Control ²	
Positive Control ³	
Positive Control ⁴	233 ± 7.1
Positive Control ⁵	

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Strain: TA97

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control ¹	93 ± 11.4	92 ± 3.5	123 ± 9.0	184 ± 11.1	111 ± 5.0
100.0	93 ± 4.8	99 ± 4.2	124 ± 4.6	177 ± 4.6	107 ± 1.9
333.0	97 ± 3.8	79 ± 7.8	114 ± 1.5	190 ± 5.0	93 ± 3.8
1000.0	95 ± 2.6	85 ± 2.6	115 ± 3.4	181 ± 3.5	102 ± 3.4
3333.0	83 ± 7.5	93 ± 5.9	106 ± 10.1	179 ± 8.0	87 ± 6.5
10000.0	100 ± 6.7	88 ± 3.7	123 ± 9.1	187 ± 4.3	98 ± 1.2
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					510 ± 7.2
Positive Control ³			841 ± 20.5		
Positive Control ⁴				572 ± 10.7	
Positive Control ⁶	512 ± 8.0	2371 ± 25.8			

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Date Report Requested: 09/14/2018

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Strain: TA97

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	132 ± 3.4
100.0	128 ± 2.6
333.0	118 ± 2.2
1000.0	124 ± 5.9
3333.0	121 ± 4.8
10000.0	112 ± 5.0
Trial Summary	Negative
Positive Control ²	
Positive Control ³	
Positive Control ⁴	1194 ± 13.9
Positive Control ⁶	

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Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control ¹	14 ± 2.2	14 ± 1.7	30 ± 4.0	29 ± 2.0	26 ± 1.8
100.0	13 ± 1.9	13 ± 3.4	22 ± 3.2	25 ± 0.7	24 ± 7.3
333.0	18 ± 1.5	12 ± 1.5	22 ± 3.7	30 ± 2.5	26 ± 0.7
1000.0	16 ± 1.5	16 ± 1.5	25 ± 3.5	25 ± 2.7	25 ± 2.2
3333.0	16 ± 0.7	17 ± 2.1	22 ± 2.0	30 ± 1.2	27 ± 2.3
10000.0	15 ± 2.1	18 ± 3.0	27 ± 4.4	34 ± 1.5	28 ± 1.7
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					1552 ± 33.4
Positive Control ³			2059 ± 8.4		
Positive Control ⁴				741 ± 13.3	
Positive Control ⁷	2610 ± 76.5	1840 ± 26.6			

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Strain: TA98

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	25 ± 1.8
100.0	29 ± 1.0
333.0	26 ± 1.7
1000.0	27 ± 2.9
3333.0	30 ± 4.2
10000.0	32 ± 0.0
Trial Summary	Negative
Positive Control ²	
Positive Control ³	
Positive Control ⁴	1416 ± 36.9
Positive Control ⁷	

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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: 0.75 ug/Plate 2-Aminoanthracene

3: 1.5 ug/Plate 2-Aminoanthracene

4: 2.0 ug/Plate 2-Aminoanthracene

5: 2.5 ug/Plate Sodium Azide

6: 4.0 ug/Plate 9-Aminoacridine

7: 12.0 ug/Plate 4-Nitro-O-Phenylenediamine

s: Slight Toxicity

**** END OF REPORT ****