

Experiment Number: 104775

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: Chlorinated paraffins: C23, 43% chlorine

CAS Number: 108171-27-3

Date Report Requested: 09/11/2018

Time Report Requested: 14:06:09

NTP Study Number:

104775

Study Result:

Negative

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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	110 ± 6.7	144 ± 12.1	138 ± 14.8	175 ± 14.3	135 ± 12.4
100.0	123 ± 3.2	140 ± 21.3	139 ± 4.2	180 ± 4.0	132 ± 5.6
333.0	129 ± 3.2	165 ± 7.5	143 ± 4.5	213 ± 15.7	165 ± 4.7
1000.0	114 ± 2.9	169 ± 13.5	160 ± 6.5	191 ± 16.2	186 ± 6.9
3333.0	120 ± 4.3	155 ± 8.5	149 ± 5.8	191 ± 7.0	169 ± 4.9
10000.0	121 ± 2.6	138 ± 11.1	131 ± 4.4	176 ± 5.5	165 ± 5.6
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²			766 ± 67.9	986 ± 84.9	2367 ± 83.3
Positive Control ³	743 ± 33.8	1185 ± 123.3			

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Strain: TA100

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	140 ± 9.5
100.0	174 ± 29.2
333.0	189 ± 11.4
1000.0	209 ± 12.8
3333.0	193 ± 9.1
10000.0	158 ± 11.5
Trial Summary	Equivocal
Positive Control ²	2893 ± 78.8
Positive Control ³	

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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	6 ± 0.9	5 ± 1.3	11 ± 1.7	7 ± 2.3	8 ± 3.1
100.0	4 ± 1.5	5 ± 1.7	4 ± 1.5	10 ± 3.7	6 ± 1.2
333.0	3 ± 0.9	3 ± 1.8	6 ± 3.0	7 ± 2.4	4 ± 1.2
1000.0	5 ± 1.0	5 ± 0.7	6 ± 0.6	8 ± 3.5	6 ± 1.5
3333.0	4 ± 0.0	5 ± 1.5	5 ± 0.0	5 ± 2.3	4 ± 1.2
10000.0	4 ± 0.6	4 ± 1.3	6 ± 0.7	9 ± 2.5	4 ± 0.7
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²			52 ± 3.7	83 ± 20.3	136 ± 23.2
Positive Control ³	488 ± 5.5	766 ± 61.8			

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Strain: TA1535

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	9 ± 0.7
100.0	11 ± 1.9
333.0	8 ± 3.2
1000.0	10 ± 1.5
3333.0	8 ± 2.3
10000.0	8 ± 2.1
Trial Summary	Negative
Positive Control ²	113 ± 7.4
Positive Control ³	

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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	2 ± 1.3	3 ± 0.7	7 ± 1.5	8 ± 0.3	9 ± 2.1
100.0	4 ± 0.3	5 ± 1.5	6 ± 0.9	8 ± 0.7	2 ± 0.0
333.0	3 ± 0.3	5 ± 0.5	7 ± 0.9	10 ± 1.5	6 ± 0.6
1000.0	1 ± 0.7	3 ± 1.0	8 ± 0.9	10 ± 2.4	7 ± 1.2
3333.0	4 ± 0.6	4 ± 1.3	5 ± 0.9	14 ± 4.0	6 ± 0.7
10000.0	3 ± 0.3	2 ± 1.5	6 ± 0.7	10 ± 2.5	9 ± 0.6
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²			33 ± 0.9	208 ± 107.6	84 ± 5.6
Positive Control ⁴	1038 ± 59.1	608 ± 36.8			

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Strain: TA1537

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	8 ± 1.3
100.0	4 ± 1.5
333.0	7 ± 1.7
1000.0	9 ± 2.2
3333.0	9 ± 1.9
10000.0	11 ± 2.5
Trial Summary	Negative
Positive Control ²	109 ± 12.5
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	15 ± 2.0	18 ± 2.4	16 ± 0.9	19 ± 2.2	20 ± 0.7
100.0	11 ± 2.6	14 ± 0.9	28 ± 4.4	25 ± 4.4	15 ± 0.7
333.0	10 ± 0.7	15 ± 3.0	22 ± 2.6	22 ± 2.6	14 ± 1.8
1000.0	14 ± 1.8	15 ± 1.9	12 ± 0.7	17 ± 1.8	21 ± 2.0
3333.0	10 ± 0.3	15 ± 2.5	14 ± 1.8	20 ± 2.6	19 ± 1.8
10000.0	13 ± 2.6	18 ± 1.7	20 ± 2.3	18 ± 3.2	18 ± 1.2
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²			405 ± 7.1	537 ± 39.7	1551 ± 48.2
Positive Control ⁵	280 ± 6.1	496 ± 54.4			

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Strain: TA98

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	24 ± 2.3
100.0	24 ± 3.0
333.0	23 ± 2.8
1000.0	21 ± 3.5
3333.0	24 ± 1.8
10000.0	25 ± 1.8
Trial Summary	Negative
Positive Control ²	1654 ± 114.7
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 ****