

Experiment Number: 247220

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: Lead dimethyldithiocarbamate

CAS Number: 19010-66-3

Date Report Requested: 09/10/2018

Time Report Requested: 20:21:07

NTP Study Number:

247220

Study Result:

Positive

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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	137 ± 7.2	119 ± 4.2	144 ± 3.2	121 ± 7.8	144 ± 3.2
0.3				133 ± 20.9	
1.0				151 ± 33.7	
3.0	182 ± 4.6	148 ± 11.1	251 ± 3.5	186 ± 32.1	231 ± 10.6
10.0	200 ± 12.5	163 ± 14.8	346 ± 20.9	184 ± 13.6	482 ± 26.8
33.0	231 ± 16.7	176 ± 24.5	316 ± 15.9	184 ± 36.0	550 ± 6.4
100.0	210 ± 8.3	162 ± 17.3	245 ± 7.0		607 ± 15.1
333.0	122 ± 13.3 ^s	103 ± 29.1 ^s	16 ± 10.5 ^s		449 ± 51.0
Trial Summary	Equivocal	Negative	Negative	Equivocal	Positive
Positive Control ²			551 ± 15.1	612 ± 14.7	551 ± 15.1
Positive Control ³	518 ± 8.7	420 ± 7.0			

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Strain: TA100

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	112 ± 6.7
0.3	120 ± 6.2
1.0	129 ± 2.4
3.0	142 ± 6.2
10.0	206 ± 5.9
33.0	419 ± 23.8
100.0	
333.0	
Trial Summary	Positive
Positive Control ²	1027 ± 43.5
Positive Control ³	

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Strain: TA1535

Dose (ug/Plate)	Without S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	32 ± 2.2	11 ± 1.0	12 ± 2.3
3.0	27 ± 0.7	18 ± 2.8	20 ± 2.3
10.0	28 ± 2.3	26 ± 1.5	23 ± 3.4
33.0	31 ± 5.5	13 ± 3.5	22 ± 3.1
100.0	18 ± 0.3	10 ± 2.5	24 ± 4.5
333.0	11 ± 3.0	13 ± 2.6	31 ± 0.6
Trial Summary	Negative	Negative	Equivocal
Positive Control ³	526 ± 11.3		
Positive Control ⁴		408 ± 6.8	376 ± 13.2

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Strain: TA1537

Dose (ug/Plate)	Without S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	6 ± 0.9	11 ± 1.9	11 ± 0.7
3.0	11 ± 1.3	12 ± 1.8	17 ± 1.8
10.0	6 ± 1.7	17 ± 2.3	25 ± 3.5
33.0	11 ± 1.7	23 ± 3.7	23 ± 3.1
100.0	16 ± 0.9	21 ± 1.3	25 ± 0.9
333.0	13 ± 2.7	7 ± 0.7 ^s	30 ± 1.5
Trial Summary	Negative	Negative	Equivocal
Positive Control ⁴		231 ± 25.0	477 ± 28.6
Positive Control ⁵	211 ± 34.4		

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Strain: TA98

Dose (ug/Plate)	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9	With 10% Hamster S9
Vehicle Control ¹	20 ± 2.7	23 ± 4.4	36 ± 3.3	33 ± 2.0	28 ± 2.0
3.0	23 ± 3.2	36 ± 4.4	32 ± 3.2	45 ± 2.6	32 ± 3.2
10.0	26 ± 1.3	40 ± 2.1	34 ± 2.7	70 ± 7.2	27 ± 0.0
33.0	30 ± 4.2	36 ± 6.1	51 ± 7.8	67 ± 6.7	62 ± 4.3
100.0	25 ± 1.9	33 ± 2.2	47 ± 2.9	89 ± 12.1	72 ± 5.4
333.0	19 ± 2.9	26 ± 6.4	40 ± 1.7	102 ± 6.4	87 ± 8.4
Trial Summary	Negative	Negative	Negative	Positive	Positive
Positive Control ²		393 ± 19.4	507 ± 21.0	1144 ± 19.8	1048 ± 40.5
Positive Control ⁶	810 ± 47.1				

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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: 1.0 ug/Plate Sodium Azide

4: 2.5 ug/Plate 2-Aminoanthracene

5: 50.0 ug/Plate 9-Aminoacridine

6: 5.0 ug/Plate 4-Nitro-O-Phenylenediamine

s: Slight Toxicity

**** END OF REPORT ****