

Experiment Number: 809255

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

G06: Ames Summary Data

Test Compound: **Sodium methohexital**

CAS Number: **309-36-4**

Date Report Requested: **09/15/2018**

Time Report Requested: **09:45:25**

NTP Study Number:

809255

Study Result:

Negative

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Test Compound: Sodium methohexital
CAS Number: 309-36-4

Date Report Requested: 09/15/2018

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Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control ¹	97 ± 13.2	149 ± 6.7	82 ± 5.2	172 ± 15.2	102 ± 1.5
33.0	106 ± 4.2	153 ± 3.7	106 ± 11.1	173 ± 22.7	157 ± 3.4
100.0	111 ± 7.8	147 ± 23.8	102 ± 11.8	159 ± 5.2	124 ± 7.8
333.0	108 ± 4.6	160 ± 8.4	93 ± 5.0	193 ± 23.1	119 ± 8.4
1000.0	102 ± 3.0	165 ± 12.9	83 ± 4.8	140 ± 2.3	91 ± 7.0
3333.0	0 ± 0.0 ^s	121 ± 17.6	82 ± 6.4 ^s	104 ± 18.2	67 ± 8.0 ^s
Trial Summary	Negative	Negative	Negative	Negative	Equivocal
Positive Control ²			1158 ± 24.3	315 ± 5.9	2104 ± 77.1
Positive Control ³	349 ± 14.0	532 ± 22.0			

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Strain: TA100

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	165 ± 4.5
33.0	174 ± 13.5
100.0	151 ± 1.8
333.0	145 ± 2.3
1000.0	133 ± 11.3
3333.0	112 ± 7.8
Trial Summary	Negative
Positive Control ²	746 ± 23.4
Positive Control ³	

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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	21 ± 4.3	35 ± 3.2	6 ± 1.2	12 ± 1.0	10 ± 2.1
33.0	14 ± 0.7	33 ± 4.4	5 ± 1.2	11 ± 0.3	10 ± 3.0
100.0	26 ± 2.3	21 ± 4.2	7 ± 0.9	14 ± 1.5	Toxic
333.0	23 ± 2.2	29 ± 3.2	8 ± 2.6	9 ± 1.2	9 ± 1.5
1000.0	21 ± 4.4	21 ± 1.7	5 ± 0.9	8 ± 0.6	5 ± 0.7
3333.0	18 ± 5.0 ^s	8 ± 1.7	5 ± 0.3 ^s	9 ± 1.2	6 ± 0.3 ^s
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ³	295 ± 7.7	572 ± 36.3			
Positive Control ⁴			413 ± 14.2	107 ± 18.6	712 ± 43.0

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Date Report Requested: **09/15/2018**

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Strain: TA1535

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	9 ± 1.5
33.0	12 ± 1.0
100.0	9 ± 1.8
333.0	10 ± 2.7
1000.0	11 ± 2.7
3333.0	9 ± 2.7
Trial Summary	Negative
Positive Control ³	
Positive Control ⁴	482 ± 22.8

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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	129 ± 9.3	124 ± 7.5	174 ± 20.1	192 ± 13.4	165 ± 16.4
33.0	151 ± 10.5	125 ± 5.5	160 ± 4.4	188 ± 1.5	172 ± 7.7
100.0	163 ± 8.8	135 ± 4.8	167 ± 10.4	165 ± 17.7	173 ± 5.7
333.0	147 ± 3.9	107 ± 9.8	137 ± 7.6	162 ± 16.3	148 ± 1.3
1000.0	134 ± 4.0	116 ± 12.2	141 ± 8.7	131 ± 8.6	164 ± 7.1
3333.0	95 ± 19.9 ^s	71 ± 21.5	153 ± 6.0 ^s	133 ± 18.4	0 ± 0.0 ^s
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ⁴			764 ± 15.1	540 ± 12.7	743 ± 21.7
Positive Control ⁵	673 ± 11.5	954 ± 47.1			

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Strain: TA97

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	132 ± 5.2
33.0	160 ± 12.6
100.0	147 ± 17.8
333.0	143 ± 16.0
1000.0	121 ± 16.7
3333.0	109 ± 35.0
Trial Summary	Negative
Positive Control ⁴	1123 ± 30.4
Positive Control ⁵	

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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	17 ± 1.7	23 ± 1.9	26 ± 1.9	21 ± 2.2	30 ± 1.5
33.0	17 ± 4.5	13 ± 0.9	24 ± 3.5	22 ± 0.3	30 ± 1.9
100.0	20 ± 5.6	16 ± 2.0	26 ± 0.6	21 ± 3.4	22 ± 3.5
333.0	16 ± 2.2	18 ± 3.7	21 ± 3.8	25 ± 1.7	28 ± 3.9
1000.0	13 ± 2.4	13 ± 1.3	23 ± 3.7	17 ± 1.5	25 ± 2.8
3333.0	0 ± 0.0 ^s	2 ± 2.0 ^p	17 ± 0.3	17 ± 0.7	20 ± 4.0
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²			333 ± 19.5	157 ± 4.9	838 ± 55.9
Positive Control ⁶	519 ± 12.3	675 ± 34.1			

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Strain: TA98

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	34 ± 5.1
33.0	29 ± 4.3
100.0	24 ± 3.8
333.0	23 ± 2.3
1000.0	24 ± 0.9
3333.0	19 ± 0.9
Trial Summary	Negative
Positive Control ²	308 ± 39.5
Positive Control ⁶	

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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: Water

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

p: Precipitate

s: Slight Toxicity

**** END OF REPORT ****