

Experiment Number: **A08124**

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

G06: Ames Summary Data

Test Compound: **Decalin**

CAS Number: **91-17-8**

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

Time Report Requested: **16:20:41**

NTP Study Number:

A08124

Study Result:

Negative

Experiment Number: A08124

G06: Ames Summary Data

Date Report Requested: 09/15/2018

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

Test Compound: Decalin

Time Report Requested: 16:20:41

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 ± 3.0	115 ± 5.4	111 ± 2.2	129 ± 7.3	122 ± 3.7
1.0		112 ± 1.7			
3.0	93 ± 2.0	110 ± 5.8			
10.0	97 ± 4.0	98 ± 3.8	103 ± 11.1		107 ± 5.0
33.0	87 ± 3.5	111 ± 6.5	114 ± 5.9		93 ± 2.7
100.0	91 ± 3.7	109 ± 7.3	105 ± 2.3	134 ± 6.5	97 ± 2.3
333.0	69 ± 6.9 ^s	0 ± 0.0 ^x	104 ± 0.7	141 ± 12.8	101 ± 10.8
1000.0			87 ± 12.7 ^s	123 ± 4.1	84 ± 2.3 ^s
3333.0				107 ± 3.6	
6666.0					
10000.0				98 ± 4.7	
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					354 ± 11.1
Positive Control ³			328 ± 12.4		
Positive Control ⁴	900 ± 50.9	752 ± 15.3			
Positive Control ⁵				366 ± 7.6	

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Test Compound: Decalin
CAS Number: 91-17-8

Date Report Requested: 09/15/2018
Time Report Requested: 16:20:41

Strain: TA100

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	132 ± 5.1
1.0	
3.0	
10.0	
33.0	
100.0	142 ± 3.5
333.0	144 ± 8.1
1000.0	125 ± 4.7
3333.0	111 ± 6.8
6666.0	
10000.0	80 ± 9.6 ^s
Trial Summary	Negative
Positive Control ²	
Positive Control ³	415 ± 10.5
Positive Control ⁴	
Positive Control ⁵	

Experiment Number: A08124

G06: Ames Summary Data

Date Report Requested: 09/15/2018

Test Type: Genetic Toxicology - Bacterial
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Test Compound: Decalin

Time Report Requested: 16:20:41

Strain: TA1535

Dose (ug/Plate)	Without S9	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9
Vehicle Control ¹	9 ± 0.9	13 ± 1.3	11 ± 1.2	10 ± 1.5	10 ± 1.8
0.0					0 ± 0.0
1.0			11 ± 0.7		
3.0	7 ± 0.9	17 ± 1.8	10 ± 0.6		
10.0	7 ± 0.9	16 ± 0.9	9 ± 1.3	11 ± 1.5	
33.0	7 ± 2.0	16 ± 3.5	12 ± 2.3	13 ± 0.9	
100.0	6 ± 1.0	13 ± 1.7	9 ± 1.5	11 ± 2.2	8 ± 1.9
333.0	9 ± 0.9	12 ± 1.2 ^s	8 ± 0.7 ^s	12 ± 0.9	8 ± 1.0
1000.0	Toxic			10 ± 0.6	9 ± 0.9
3333.0	Toxic				8 ± 1.5
6666.0					
10000.0	Toxic				5 ± 1.0 ^s
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ³					
Positive Control ⁴	851 ± 15.6	704 ± 83.3	613 ± 9.2		
Positive Control ⁵				135 ± 10.1	
Positive Control ⁶					138 ± 8.4

Experiment Number: A08124

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: Decalin
CAS Number: 91-17-8

Date Report Requested: 09/15/2018

Time Report Requested: 16:20:41

Strain: TA1535

Dose (ug/Plate)	With 10% Hamster S9	With 30% Hamster S9
Vehicle Control ¹	12 ± 1.2	9 ± 2.0
0.0		
1.0		
3.0		
10.0	10 ± 1.3	
33.0	10 ± 1.2	
100.0	13 ± 2.1	10 ± 0.7
333.0	12 ± 1.2	10 ± 1.5
1000.0	11 ± 1.7	6 ± 0.6
3333.0		7 ± 0.9
6666.0		
10000.0		5 ± 2.1 ^s
Trial Summary	Negative	Negative
Positive Control ³	188 ± 14.8	
Positive Control ⁴		
Positive Control ⁵		198 ± 14.3
Positive Control ⁶		

Experiment Number: A08124

G06: Ames Summary Data

Date Report Requested: 09/15/2018

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

Test Compound: Decalin

Time Report Requested: 16:20:41

Strain: TA97

Dose (ug/Plate)	Without S9	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9
Vehicle Control ¹	103 ± 3.4	124 ± 10.6	132 ± 4.9	141 ± 3.5	102 ± 7.1
0.0					
1.0			143 ± 12.9		
3.0	84 ± 6.4	123 ± 6.4	135 ± 6.7		
10.0	88 ± 1.5	137 ± 4.3	111 ± 14.4		
33.0	86 ± 6.7	133 ± 3.5	98 ± 8.7		
100.0	82 ± 5.0	103 ± 7.5	115 ± 1.5	156 ± 4.1	104 ± 3.2
333.0	54 ± 0.7 ^s	98 ± 3.7 ^s	115 ± 8.1	158 ± 1.9	103 ± 5.0
1000.0	Toxic			155 ± 4.0	115 ± 3.3
3333.0	Toxic			153 ± 4.7	118 ± 3.1
6666.0				144 ± 9.4 ^s	
10000.0	Toxic			112 ± 15.5 ^s	95 ± 7.8
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					
Positive Control ³				355 ± 8.9	
Positive Control ⁵					374 ± 10.7
Positive Control ⁷	392 ± 11.9	329 ± 18.9	447 ± 4.4		

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Date Report Requested: 09/15/2018

Time Report Requested: 16:20:41

Strain: TA97

Dose (ug/Plate)	With 10% Hamster S9	With 30% Hamster S9
Vehicle Control ¹	141 ± 16.6	109 ± 14.8
0.0		0 ± 0.0
1.0		
3.0		
10.0		
33.0		
100.0	148 ± 6.7	111 ± 9.9
333.0	152 ± 6.5	125 ± 1.5
1000.0	155 ± 4.2	121 ± 14.3
3333.0	147 ± 8.5	110 ± 17.1
6666.0	134 ± 11.8	
10000.0	88 ± 1.7 ^s	89 ± 8.7
Trial Summary	Negative	Negative
Positive Control ²	324 ± 14.2	
Positive Control ³		409 ± 8.5
Positive Control ⁵		
Positive Control ⁷		

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G06: Ames Summary Data

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Test Type: Genetic Toxicology - Bacterial
Mutagenicity

Test Compound: Decalin

Time Report Requested: 16:20:41

Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control ¹	20 ± 1.5	17 ± 2.6	19 ± 1.3	21 ± 2.0	18 ± 3.2
0.0				0 ± 0.0	
1.0		17 ± 2.0			
3.0	19 ± 1.9	16 ± 0.3			
10.0	14 ± 0.6	18 ± 0.3	18 ± 2.6		17 ± 2.1
33.0	16 ± 0.6	15 ± 3.2	24 ± 0.7		18 ± 0.3
100.0	14 ± 1.7	17 ± 1.5	19 ± 3.3	23 ± 2.2	13 ± 1.3
333.0	13 ± 3.8 ^s	6 ± 4.1 ^x	14 ± 3.0	17 ± 1.2	18 ± 0.7
1000.0			19 ± 4.0	19 ± 3.2	16 ± 3.2
3333.0				16 ± 1.9	
6666.0					
10000.0				13 ± 2.6	
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					142 ± 10.1
Positive Control ³			196 ± 12.3		
Positive Control ⁸	236 ± 7.2	275 ± 11.4			
Positive Control ⁵				187 ± 15.1	

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Test Compound: Decalin
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Time Report Requested: 16:20:41

Strain: TA98

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	24 ± 1.8
0.0	
1.0	
3.0	
10.0	
33.0	
100.0	21 ± 1.5
333.0	24 ± 5.2
1000.0	24 ± 1.7
3333.0	20 ± 2.4
6666.0	
10000.0	13 ± 2.2
Trial Summary	Negative
Positive Control ²	
Positive Control ³	328 ± 21.0
Positive Control ⁸	
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: 2.0 ug/Plate 2-Aminoanthracene
- 4: 5.0 ug/Plate Sodium Azide
- 5: 5.0 ug/Plate 2-Aminoanthracene
- 6: 10.0 ug/Plate 2-Aminoanthracene
- 7: 50.0 ug/Plate 9-Aminoacridine
- 8: 2.5 ug/Plate 4-Nitro-O-Phenylenediamine
- s: Slight Toxicity
- x: Slight Toxicity and Precipitate

** END OF REPORT **