

Experiment Number: **A69920**

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

G06: Ames Summary Data

Test Compound: **Diisopropylcarbodiimide**

CAS Number: **693-13-0**

Date Report Requested: **09/18/2018**

Time Report Requested: **10:20:52**

NTP Study Number:

A69920

Study Result:

Equivocal

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Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control ¹	79 ± 10.0	78 ± 3.0	54 ± 5.4	72 ± 0.7	81 ± 3.3
15.625			56 ± 2.6		
31.25			51 ± 11.8		
50.0		73 ± 5.5			78 ± 11.8
62.5			50 ± 6.4		
100.0	56 ± 7.5	66 ± 6.3		70 ± 5.2	84 ± 7.0
125.0			49 ± 8.3		
250.0		64 ± 1.5	48 ± 4.1		96 ± 8.7
500.0	52 ± 3.5	54 ± 4.3		82 ± 7.2	83 ± 1.5
1000.0		42 ± 4.4			77 ± 2.7
1500.0	37 ± 3.9			60 ± 8.0	
2000.0		Toxic			64 ± 3.8
2500.0	Toxic			36 ± 3.9	
3000.0		Toxic			5 ± 0.9 ^s
3500.0	Toxic			Toxic	
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²	382 ± 23.3	475 ± 19.1	422 ± 6.7		
Positive Control ³				1283 ± 71.5	679 ± 30.1

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Strain: TA98				
Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control ¹	13 ± 1.0	22 ± 2.8	28 ± 3.8	34 ± 1.5
100.0	20 ± 0.7	25 ± 2.0	24 ± 2.1	34 ± 0.6
500.0	19 ± 2.0	22 ± 2.0	27 ± 4.6	36 ± 2.2
1500.0	13 ± 2.5	23 ± 1.5	23 ± 1.9	27 ± 1.7
2500.0	15 ± 3.5	24 ± 1.7	14 ± 1.7	16 ± 0.9
3500.0	2 ± 0.9 ^s	Toxic	5 ± 0.3 ^s	4 ± 0.6 ^s
Trial Summary	Negative	Negative	Negative	Negative
Positive Control ³			1295 ± 84.0	1201 ± 24.8
Positive Control ⁴	484 ± 41.2	473 ± 31.3		

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Strain: E. coli WP2 uvrA pKM101

Dose (ug/Plate)	Without S9	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control ¹	172 ± 1.3	163 ± 7.0	140 ± 6.9	167 ± 13.2	178 ± 7.9
125.0			158 ± 11.6		
250.0			148 ± 4.4		
500.0	168 ± 4.4		138 ± 12.7		292 ± 7.9
1000.0	164 ± 9.6	182 ± 6.6	122 ± 1.5	293 ± 12.2	337 ± 11.3
1500.0	94 ± 4.1	105 ± 7.5	Toxic		238 ± 19.9
2000.0	44 ± 5.7 ^s	112 ± 1.5			265 ± 20.0
2500.0	15 ± 1.5 ^s	21 ± 4.0 ^s		244 ± 20.2	115 ± 8.4
3000.0	Toxic	2 ± 0.5 ^s			19 ± 1.5 ^s
5000.0				3 ± 1.0 ^s	
7500.0				7 ± 6.0 ^s	
10000.0				2 ± 1.0 ^s	
Trial Summary	Negative	Negative	Negative	No Call	Equivocal
Positive Control ⁵				1208 ± 47.7	907 ± 23.4
Positive Control ⁶	1470 ± 25.1	2133 ± 54.3	1666 ± 163.4		

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Strain: E. coli WP2 uvrA pKM101

Dose (ug/Plate)	With 10% Rat S9	With 10% Rat S9
Vehicle Control ¹	238 ± 16.6	142 ± 5.6
125.0		270 ± 10.3
250.0		285 ± 6.4
500.0		315 ± 11.7
1000.0	229 ± 27.3	362 ± 12.9
1500.0	170 ± 2.8	Toxic
2000.0	141 ± 10.8	
2500.0	138 ± 11.7	
3000.0	9 ± 2.3 ^S	
5000.0		
7500.0		
10000.0		
Trial Summary	Negative	Positive
Positive Control ⁵	1312 ± 42.4	823 ± 43.0
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: Dimethyl Sulfoxide

2: 1.0 ug/Plate Sodium Azide

3: 2.5 ug/Plate 2-Aminoanthracene

4: 5.0 ug/Plate 2-Nitrofluorene

5: 20.0 ug/Plate 2-Aminoanthracene

6: 4000.0 ug/Plate Methyl Methane Sulfonate

s: Slight Toxicity

** END OF REPORT **