

Experiment Number: A20931

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

G06: Ames Summary Data

Test Compound: **bis(2-Chloroethoxy)methane**

CAS Number: 111-91-1

Date Report Requested: **09/16/2018**

Time Report Requested: **09:51:14**

NTP Study Number:

A20931

Study Result:

Equivocal

Experiment Number: A20931

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Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

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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	36 ± 3.1	59 ± 14.5	43 ± 1.2	42 ± 4.7	67 ± 7.8
100.0	47 ± 4.9	40 ± 4.2	41 ± 3.3	47 ± 3.2	67 ± 2.3
500.0	48 ± 5.2	49 ± 6.0	62 ± 8.2	50 ± 5.8	74 ± 5.5
1000.0	42 ± 3.4	49 ± 9.4	64 ± 6.9	66 ± 2.3	74 ± 12.1
5000.0	42 ± 5.2	17 ± 7.3	18 ± 2.3	83 ± 2.1	61 ± 1.8
7500.0			2 ± 1.5		
10000.0	Toxic	0 ± 0.0		72 ± 1.8	23 ± 2.9
Trial Summary	Negative	Negative	Negative	Positive	Negative
Positive Control ²	403 ± 12.0	570 ± 13.0	428 ± 39.3		
Positive Control ³				622 ± 48.5	1121 ± 88.5

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CAS Number: 111-91-1

Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control ¹	17 ± 1.2	15 ± 1.2	15 ± 1.8	26 ± 1.3	18 ± 4.4
100.0	18 ± 2.8	21 ± 3.1	14 ± 2.8	24 ± 2.5	23 ± 2.2
500.0	17 ± 1.9	14 ± 1.2	13 ± 2.5	25 ± 2.1	25 ± 1.2
1000.0	19 ± 2.5	13 ± 2.0	19 ± 2.6	24 ± 0.6	19 ± 3.2
2500.0		10 ± 2.4	14 ± 2.3		17 ± 1.7
5000.0	15 ± 2.3	4 ± 0.9	6 ± 0.0	18 ± 1.9	16 ± 0.9
7500.0		1 ± 1.3			18 ± 2.2
10000.0	Toxic	1 ± 0.7		Toxic	11 ± 1.5
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ³				1119 ± 53.4	1261 ± 29.6
Positive Control ⁴	369 ± 1.0	471 ± 24.3	506 ± 17.4		

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Strain: E. coli WP2 uvrA pKM101

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control ¹	136 ± 6.7	231 ± 53.6	178 ± 2.6	247 ± 53.1
100.0	146 ± 4.2	148 ± 7.2	265 ± 2.4	223 ± 13.9
500.0	161 ± 6.6	139 ± 4.9	338 ± 22.1	253 ± 6.0
1000.0	144 ± 13.9	150 ± 11.5	295 ± 9.9	357 ± 31.9
5000.0	119 ± 4.1	110 ± 24.3	270 ± 13.0	298 ± 14.5
10000.0	84 ± 5.8	26 ± 1.5	249 ± 11.9	266 ± 12.0
Trial Summary	Negative	Negative	Positive	Negative
Positive Control ⁵			823 ± 3.5	821 ± 28.0
Positive Control ⁶	806 ± 76.5	853 ± 65.0		

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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

**** END OF REPORT ****