

Experiment Number: **652507**

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

G06: Ames Summary Data

Test Compound: **Carbromal**

CAS Number: **77-65-6**

Date Report Requested: **09/11/2018**

Time Report Requested: **05:49:26**

NTP Study Number:

652507

Study Result:

Negative

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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	107 ±	2.9	126 ±	7.8	163 ±	10.2	190 ±	5.5	147 ±	4.0
100.0	98 ±	3.9	139 ±	17.7	160 ±	7.5	201 ±	16.3	188 ±	12.5
333.0	201 ±	104.0	141 ±	10.8	154 ±	3.5	209 ±	15.2	174 ±	2.5
1000.0	106 ±	4.6	151 ±	14.5	156 ±	4.6	184 ±	3.6	165 ±	6.8
3333.0	105 ±	5.3	139 ±	8.0	148 ±	3.2	185 ±	4.8	148 ±	1.8
10000.0	108 ±	5.6	137 ±	7.4	177 ±	19.7	210 ±	3.5	179 ±	2.3
Trial Summary	Negative		Negative		Negative		Negative		Negative	
Positive Control ²					1212 ± 35.5		1394 ± 190.9		2489 ± 96.9	
Positive Control ³	749 ±	39.7	767 ± 48.9							

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Strain: TA100

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	233 ± 11.8
100.0	271 ± 14.8
333.0	232 ± 22.5
1000.0	242 ± 11.1
3333.0	240 ± 11.9
10000.0	242 ± 21.2
Trial Summary	Negative
Positive Control ²	1642 ± 255.2
Positive Control ³	

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Strain: TA1535

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	5 ± 0.9	6 ± 0.3	5 ± 0.6	6 ± 0.6	6 ± 0.7
100.0	5 ± 0.3	6 ± 0.3	9 ± 0.7	8 ± 1.5	8 ± 0.9
333.0	8 ± 0.9	7 ± 1.2	6 ± 0.3	7 ± 0.3	5 ± 0.9
1000.0	8 ± 0.7	6 ± 1.5	10 ± 1.3	7 ± 2.4	7 ± 0.7
3333.0	6 ± 0.7	7 ± 0.3	8 ± 1.5	7 ± 1.3	5 ± 0.0
10000.0	6 ± 0.6	5 ± 0.9	5 ± 1.2	6 ± 0.3	9 ± 2.9
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²			78 ± 5.3	137 ± 11.5	109 ± 4.7
Positive Control ³	595 ± 33.4	834 ± 35.9			

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Strain: TA1535

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	8 ± 0.9
100.0	10 ± 0.3
333.0	11 ± 2.7
1000.0	13 ± 2.0
3333.0	11 ± 2.6
10000.0	13 ± 1.3
Trial Summary	Negative
Positive Control ²	319 ± 39.0
Positive Control ³	

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Strain: TA1537

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	4 ± 1.5	4 ± 0.9	9 ± 0.6	13 ± 2.1	10 ± 1.5
100.0	7 ± 2.0	5 ± 1.8	7 ± 0.9	15 ± 2.3	7 ± 0.7
333.0	7 ± 1.2	3 ± 1.5	6 ± 0.0	13 ± 2.1	5 ± 2.0
1000.0	6 ± 0.9	6 ± 0.3	9 ± 0.6	17 ± 2.1	15 ± 1.9
3333.0	5 ± 1.7	6 ± 1.0	9 ± 1.2	15 ± 1.2	11 ± 0.3
10000.0	3 ± 0.3	5 ± 0.9	10 ± 1.5	15 ± 0.3	9 ± 1.2
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²			55 ± 6.1	212 ± 28.9	361 ± 18.3
Positive Control ⁴	1655 ± 225.6	697 ± 43.2			

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Strain: TA1537

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	11 ± 0.3
100.0	12 ± 1.9
333.0	11 ± 3.5
1000.0	14 ± 2.8
3333.0	15 ± 1.7
10000.0	15 ± 3.5
Trial Summary	Negative
Positive Control ²	688 ± 63.8
Positive Control ⁴	

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Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	14 ± 1.2	27 ± 2.9	25 ± 6.3	35 ± 1.2	21 ± 1.2
100.0	16 ± 1.2	26 ± 2.7	16 ± 1.5	36 ± 2.8	18 ± 0.7
333.0	14 ± 1.5	27 ± 1.7	20 ± 1.9	36 ± 1.8	18 ± 1.5
1000.0	9 ± 1.5	22 ± 3.3	18 ± 2.1	35 ± 2.4	21 ± 0.9
3333.0	16 ± 1.5	24 ± 3.8	16 ± 2.1	33 ± 2.4	19 ± 0.9
10000.0	19 ± 6.5	30 ± 3.8	21 ± 1.5	38 ± 1.2	17 ± 1.2
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²			521 ± 30.4	669 ± 72.2	1754 ± 73.3
Positive Control ⁵	467 ± 14.7	252 ± 11.9			

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Strain: TA98

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	58 ± 3.7
100.0	54 ± 2.2
333.0	55 ± 2.6
1000.0	50 ± 4.6
3333.0	52 ± 3.2
10000.0	50 ± 3.0
Trial Summary	Negative
Positive Control ²	1644 ± 189.1
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: 3.3 ug/Plate Sodium Azide

4: 33.0 ug/Plate 9-Aminoacridine

5: 3.3 ug/Plate 4-Nitro-O-Phenylenediamine

**** END OF REPORT ****