

Experiment Number: 055493

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

G06: Ames Summary Data

Test Compound: **Benzotrifluoride**

CAS Number: **98-07-7**

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

Time Report Requested: **03:02:43**

NTP Study Number:

055493

Study Result:

Positive

Experiment Number: 055493

Test Type: Genetic Toxicology - Bacterial
Mutagenicity**G06: Ames Summary Data**

Test Compound: Benzotrichloride

CAS Number: 98-07-7

Date Report Requested: 09/15/2018

Time Report Requested: 03:02:43

Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 30% Rat S9	With 30% Rat S9	With 30% Hamster S9
Vehicle Control ¹	170 ± 5.5	148 ± 8.4	174 ± 2.7	140 ± 6.6	170 ± 7.4
1.0		168 ± 5.5			
3.0	252 ± 9.2	201 ± 6.2	182 ± 5.4	211 ± 8.7	193 ± 9.2
6.0	300 ± 4.2			246 ± 8.3	
10.0	354 ± 3.5	383 ± 11.5	269 ± 2.6	340 ± 15.3	269 ± 28.9
16.0	450 ± 17.6	434 ± 14.7	349 ± 12.7	380 ± 7.5	316 ± 9.6
33.0	639 ± 16.1	606 ± 29.2	524 ± 7.4	518 ± 23.6	493 ± 37.4
100.0			906 ± 28.9		903 ± 31.9
Trial Summary	Positive	Positive	Positive	Positive	Positive
Positive Control ²					720 ± 25.2
Positive Control ³	441 ± 8.7	512 ± 10.1			
Positive Control ⁴			570 ± 25.8	655 ± 22.6	

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Strain: TA100

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	159 ± 7.8
1.0	171 ± 15.5
3.0	198 ± 7.1
6.0	
10.0	263 ± 16.3
16.0	342 ± 7.9
33.0	478 ± 21.6
100.0	
Trial Summary	Positive
Positive Control ²	700 ± 29.4
Positive Control ³	
Positive Control ⁴	

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Mutagenicity**G06: Ames Summary Data**

Test Compound: Benzotrichloride

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Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	With 30% Rat S9	With 30% Rat S9	With 30% Hamster S9
Vehicle Control ¹	21 ± 2.0	21 ± 2.4	43 ± 1.2	46 ± 3.3	33 ± 4.5
3.0	23 ± 5.5	24 ± 3.6	44 ± 3.8		24 ± 2.0
6.0	21 ± 4.0				
10.0	26 ± 3.2	21 ± 1.9	39 ± 0.9	49 ± 2.3	32 ± 0.3
16.0	32 ± 4.0	31 ± 3.5	41 ± 5.5		29 ± 2.2
33.0	37 ± 4.6	47 ± 1.2	61 ± 0.9	49 ± 5.7	52 ± 6.9
66.0		30 ± 6.1		74 ± 0.6	
100.0			115 ± 11.3	91 ± 8.2	70 ± 6.4
166.0				98 ± 7.1	
Trial Summary	Negative	Equivocal	Positive	Positive	Positive
Positive Control ²			143 ± 2.8	134 ± 5.9	393 ± 30.2
Positive Control ⁵	468 ± 16.5	453 ± 11.5			

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Test Compound: Benzotrichloride

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Strain: TA98

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	32 ± 0.9
3.0	
6.0	
10.0	41 ± 2.4
16.0	
33.0	49 ± 4.1
66.0	50 ± 2.9
100.0	57 ± 2.0
166.0	57 ± 3.7
Trial Summary	Equivocal
Positive Control ²	283 ± 28.6
Positive Control ⁵	

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G06: Ames Summary Data

Test Compound: **Benzotrichloride**

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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: 1.0 ug/Plate Sodium Azide

4: 2.5 ug/Plate 2-Aminoanthracene

5: 2.5 ug/Plate 4-Nitro-O-Phenylenediamine

**** END OF REPORT ****