

Experiment Number: **740578**

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

G06: Ames Summary Data

Test Compound: **Cytoxal alcohol**

CAS Number: **4465-94-5**

Date Report Requested: **09/17/2018**

Time Report Requested: **05:54:29**

NTP Study Number:

740578

Study Result:

Positive

Experiment Number: 740578

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: Cytosol alcohol

CAS Number: 4465-94-5

Date Report Requested: 09/17/2018

Time Report Requested: 05:54:29

Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹		94 ± 9.5		150 ± 16.6	
Vehicle Control ²	120 ± 6.2		146 ± 8.2		186 ± 3.3
100.0	249 ± 20.0	904 ± 47.4	584 ± 10.3	1111 ± 43.0	546 ± 5.7
333.0	456 ± 34.2	1530 ± 55.5	971 ± 43.5	1757 ± 84.0	947 ± 9.5
1000.0	961 ± 12.3	1416 ± 103.5	1290 ± 51.5	1648 ± 192.7	1419 ± 13.2
3333.0	1384 ± 30.2	1111 ± 70.0	1759 ± 72.2	1525 ± 22.7	1936 ± 36.4
10000.0	1999 ± 66.2	1706 ± 62.6	2245 ± 75.1	1632 ± 11.5	2252 ± 51.4
Trial Summary	Positive	Positive	Positive	Positive	Positive
Positive Control ³			2245 ± 75.1	405 ± 14.8	2549 ± 61.9
Positive Control ⁴	993 ± 36.9	746 ± 107.7			

Experiment Number: 740578
Test Type: Genetic Toxicology - Bacterial
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G06: Ames Summary Data
Test Compound: Cytosal alcohol
CAS Number: 4465-94-5

Date Report Requested: 09/17/2018
Time Report Requested: 05:54:29

Strain: TA100

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	173 ± 10.9
Vehicle Control ²	
100.0	996 ± 57.6
333.0	1293 ± 35.5
1000.0	1946 ± 75.0
3333.0	1386 ± 18.6
10000.0	1613 ± 96.7
Trial Summary	Positive
Positive Control ³	1441 ± 31.3
Positive Control ⁴	

Experiment Number: 740578

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

Test Compound: Cytosal alcohol

CAS Number: 4465-94-5

Date Report Requested: 09/17/2018

Time Report Requested: 05:54:29

Strain: TA1535

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ²	7 ± 1.2	22 ± 1.7	9 ± 2.3	27 ± 0.3	10 ± 2.0
100.0	1160 ± 26.6	773 ± 13.1	1178 ± 95.1	1453 ± 40.5	1325 ± 77.9
333.0	2301 ± 40.2	1556 ± 173.7	1863 ± 120.4	1944 ± 26.0	2097 ± 123.3
1000.0	2785 ± 50.8	2328 ± 339.8	2795 ± 188.9	2556 ± 25.1	2255 ± 148.6
3333.0	408 ± 12.0	1422 ± 148.9	3002 ± 263.0	2180 ± 94.8	2802 ± 171.6
10000.0	245 ± 55.3	438 ± 87.1	185 ± 13.3	275 ± 11.8	115 ± 23.5
Trial Summary	Positive	Positive	Positive	Positive	Positive
Positive Control ³			86 ± 7.1	110 ± 11.0	136 ± 10.6
Positive Control ⁴	802 ± 16.3	929 ± 27.1			

Experiment Number: 740578
Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data
Test Compound: Cytochal alcohol
CAS Number: 4465-94-5

Date Report Requested: 09/17/2018
Time Report Requested: 05:54:29

Strain: TA1535

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ²	38 ± 10.9
100.0	1192 ± 113.2
333.0	1986 ± 69.0
1000.0	2249 ± 107.1
3333.0	2029 ± 352.5
10000.0	349 ± 63.3
Trial Summary	Positive
Positive Control ³	170 ± 2.4
Positive Control ⁴	

Experiment Number: 740578

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: Cytosal alcohol

CAS Number: 4465-94-5

Date Report Requested: 09/17/2018

Time Report Requested: 05:54:29

Strain: TA1537

Dose (ug/Plate)	Without S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ²	3 ± 1.0	6 ± 0.9	7 ± 1.2
100.0	5 ± 0.9	3 ± 0.0	5 ± 0.7
333.0	4 ± 1.2	5 ± 0.3	11 ± 0.6
1000.0	3 ± 0.3	10 ± 0.3	15 ± 0.9
3333.0	4 ± 0.9	5 ± 0.6	10 ± 0.3
10000.0	6 ± 0.6	7 ± 1.2	9 ± 1.5
Trial Summary	Negative	Negative	Negative
Positive Control ³		64 ± 0.6	138 ± 18.1
Positive Control ⁵	265 ± 60.6		

Experiment Number: 740578

G06: Ames Summary Data

Date Report Requested: 09/17/2018

Test Type: **Genetic Toxicology - Bacterial
Mutagenicity**Test Compound: **Cytosal alcohol**

Time Report Requested: 05:54:29

CAS Number: 4465-94-5

Strain: TA98

Dose (ug/Plate)	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9	With 10% Hamster S9
Vehicle Control ²	16 ± 1.5	14 ± 0.9	21 ± 2.9	16 ± 0.7	22 ± 2.9
100.0	16 ± 0.6	19 ± 2.0	31 ± 1.8	17 ± 1.2	
333.0	21 ± 0.3	16 ± 2.0	33 ± 3.2	18 ± 1.7	
1000.0	13 ± 0.3	22 ± 1.5	45 ± 3.2	16 ± 2.9	25 ± 1.5
1667.0					31 ± 2.1
3333.0	29 ± 0.3	29 ± 1.0	48 ± 1.5	24 ± 1.8	34 ± 0.9
6667.0					40 ± 2.2
10000.0	25 ± 1.5	36 ± 3.8	49 ± 3.2	30 ± 0.3	47 ± 4.7
Trial Summary	Equivocal	Weakly Positive	Weakly Positive	Weakly Positive	Weakly Positive
Positive Control ³		504 ± 61.7	395 ± 97.7	1232 ± 64.4	1500 ± 181.6
Positive Control ⁶	204 ± 8.3				

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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: Vehicle Control: Water
- 3: 1.0 ug/Plate 2-Aminoanthracene
- 4: 3.3 ug/Plate Sodium Azide
- 5: 33.0 ug/Plate 9-Aminoacridine
- 6: 3.3 ug/Plate 4-Nitro-O-Phenylenediamine

** END OF REPORT **