NTP Study Number:	067797
Study Result:	Positive

Experiment Number: **067797**

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

G06: Ames Summary Data

Test Compound: **2,3-Dichloro-1-propanol**

CAS Number: **616-23-9**

Date Report Requested: **09/10/2018**

Time Report Requested: **18:36:35**

Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control[1]	150 ± 9.1	122 ± 4.8	148 ± 6.3	159 ± 8.8	179 ± 11.7
33.0	153 ± 6.9	161 ± 2.2	252 ± 12.6	252 ± 9.8	467 ± 21.9
100.0	219 ± 15.1	220 ± 7.0	403 ± 7.0	430 ± 7.8	968 ± 31.9
333.0	448 ± 11.5	486 ± 9.6	953 ± 42.6	1037 ± 30.1	2029 ± 87.2
1000.0	1722 ± 122.7	1293 ± 42.1	1611 ± 32.0	2128 ± 8.5	2986 ± 123.0[S]
3333.0	117 ± 31.9[S]	856 ± 75.2[S]	3065 ± 24.7[S]	3462 ± 35.8[S]	3419 ± 16.7[S]
Trial Summary	Positive	Positive	Positive	Positive	Positive
Positive Control[2]					839 ± 15.4
Positive Control[3]			1502 ± 35.5	2077 ± 53.9	
Positive Control[4]	1050 ± 43.6	1208 ± 63.6			

Experiment Number: **067797**

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

G06: Ames Summary Data

Test Compound: **2,3-Dichloro-1-propanol**

CAS Number: **616-23-9**

Date Report Requested: **09/10/2018**

Time Report Requested: **18:36:35**

Strain: TA100

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control[1]	116 ± 4.6
33.0	469 ± 1.5
100.0	969 ± 28.9
333.0	2125 ± 33.3
1000.0	3437 ± 35.1
3333.0	3926 ± 90.7[s]
Trial Summary	Positive
Positive Control[2]	1359 ± 52.9
Positive Control[3]	
Positive Control[4]	

Experiment Number: **067797**

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

G06: Ames Summary Data

Test Compound: **2,3-Dichloro-1-propanol**

CAS Number: **616-23-9**

Date Report Requested: **09/10/2018**

Time Report Requested: **18:36:35**

Strain: TA1535

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control[1]	21 ± 2.0	35 ± 1.2	13 ± 1.3	18 ± 0.9	23 ± 3.4
33.0	24 ± 2.2	33 ± 4.0	39 ± 3.8	43 ± 5.1	102 ± 8.1
100.0	35 ± 4.9	38 ± 0.9	80 ± 3.1	82 ± 0.7	231 ± 15.7
333.0	82 ± 8.2	55 ± 4.0	243 ± 16.0	263 ± 6.7	508 ± 12.4
1000.0	366 ± 19.7	204 ± 13.6	474 ± 10.7	464 ± 14.0	1138 ± 93.8[S]
3333.0	Toxic	176 ± 15.0[S]	1004 ± 127.4[S]	1284 ± 32.7[S]	960 ± 60.3[S]
Trial Summary	Positive	Positive	Positive	Positive	Positive
Positive Control[2]					76 ± 9.1
Positive Control[3]			76 ± 10.3	126 ± 8.9	
Positive Control[4]	766 ± 12.8	1107 ± 14.0			

Experiment Number: **067797**

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

G06: Ames Summary Data

Test Compound: **2,3-Dichloro-1-propanol**

CAS Number: **616-23-9**

Date Report Requested: **09/10/2018**

Time Report Requested: **18:36:35**

Strain: TA1535

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control[1]	19 ± 0.7
33.0	115 ± 4.8
100.0	251 ± 6.7
333.0	553 ± 17.2
1000.0	1091 ± 7.9
3333.0	1943 ± 9.3[s]
Trial Summary	Positive
Positive Control[2]	101 ± 4.8
Positive Control[3]	
Positive Control[4]	

Experiment Number: **067797**

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

G06: Ames Summary Data

Test Compound: **2,3-Dichloro-1-propanol**

CAS Number: **616-23-9**

Date Report Requested: **09/10/2018**

Time Report Requested: **18:36:35**

Strain: TA97

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control[1]	82 ± 2.2	115 ± 3.5	97 ± 3.5	162 ± 6.4	107 ± 9.8
33.0	82 ± 2.1	154 ± 8.1	102 ± 1.9	182 ± 10.7	165 ± 7.9
100.0	87 ± 6.2	151 ± 5.4	180 ± 1.5	212 ± 1.3	229 ± 10.9
333.0	132 ± 6.8	167 ± 14.1	242 ± 3.7	303 ± 16.9	391 ± 6.7
1000.0	172 ± 5.9	248 ± 2.7	410 ± 2.2	486 ± 19.3	793 ± 45.2
3333.0	Toxic	278 ± 8.0[s]	886 ± 2.8[s]	1198 ± 43.9[s]	Toxic
Trial Summary	Weakly Positive	Positive	Positive	Positive	Positive
Positive Control[2]					510 ± 22.9
Positive Control[3]			958 ± 31.5	1528 ± 14.7	
Positive Control[5]	576 ± 172.3	1053 ± 12.3			

Experiment Number: **067797**

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

G06: Ames Summary Data

Test Compound: **2,3-Dichloro-1-propanol**

CAS Number: **616-23-9**

Date Report Requested: **09/10/2018**

Time Report Requested: **18:36:35**

Strain: TA97

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control[1]	178 ± 1.7
33.0	234 ± 12.3
100.0	277 ± 12.3
333.0	508 ± 9.2
1000.0	1054 ± 29.4
3333.0	976 ± 71.9[s]
Trial Summary	Positive
Positive Control[2]	1002 ± 33.6
Positive Control[3]	
Positive Control[5]	

Experiment Number: **067797**

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

G06: Ames Summary Data

Test Compound: **2,3-Dichloro-1-propanol**

CAS Number: **616-23-9**

Date Report Requested: **09/10/2018**

Time Report Requested: **18:36:35**

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 ± 2.3	28 ± 3.2	25 ± 2.6	38 ± 2.1	28 ± 3.2
33.0	18 ± 2.3	22 ± 1.3	30 ± 2.2	36 ± 9.2	38 ± 3.3
100.0	17 ± 1.9	26 ± 2.4	38 ± 3.5	41 ± 4.8	57 ± 2.0
333.0	25 ± 0.6	35 ± 0.7	44 ± 0.3	61 ± 4.4	75 ± 1.8
1000.0	75 ± 4.1	73 ± 3.8	90 ± 2.9	93 ± 4.4	158 ± 12.0
3333.0	35 ± 4.3[s]	138 ± 9.2	165 ± 8.2	216 ± 15.5	265 ± 13.9[s]
Trial Summary	Positive	Positive	Positive	Positive	Positive
Positive Control[2]					780 ± 46.2
Positive Control[3]			1294 ± 48.0	2217 ± 27.9	
Positive Control[6]	2029 ± 73.8	2023 ± 56.8			

Experiment Number: **067797**

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

G06: Ames Summary Data

Test Compound: **2,3-Dichloro-1-propanol**

CAS Number: **616-23-9**

Date Report Requested: **09/10/2018**

Time Report Requested: **18:36:35**

Strain: TA98

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control[1]	33 ± 2.6
33.0	35 ± 4.3
100.0	50 ± 3.8
333.0	78 ± 3.8
1000.0	164 ± 12.3
3333.0	287 ± 13.9
Trial Summary	Positive
Positive Control[2]	1537 ± 39.9
Positive Control[3]	
Positive Control[6]	

LEGEND

Values given as Mean or Mean ± 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: 0.75 ug/Plate 2-Aminoanthracene
3: 1.5 ug/Plate 2-Aminoanthracene
4: 2.5 ug/Plate Sodium Azide
5: 4.0 ug/Plate 9-Aminoacridine
6: 12.0 ug/Plate 4-Nitro-O-Phenylenediamine
s: Slight Toxicity

** END OF REPORT **