Experiment Number: **238333**

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

G06: Ames Summary Data

Test Compound: **Carisoprodol**

CAS Number: **78-44-4**

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

Time Report Requested: **04:39:00**

NTP Study Number: 238333

Study Result: Negative

Experiment Number: **238333**

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

G06: Ames Summary Data

Test Compound: **Carisoprodol**

CAS Number: **78-44-4**

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

Time Report Requested: **04:39:00**

Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control[1]	105 ± 2.6	104 ± 6.4	107 ± 13.9	171 ± 4.2	143 ± 5.8
100.0	99 ± 4.5	99 ± 2.4	89 ± 10.8	161 ± 9.1	140 ± 5.0
333.0	141 ± 3.4	103 ± 6.2	196 ± 10.4	168 ± 7.8	156 ± 2.6
1000.0	96 ± 5.5	109 ± 14.2	137 ± 11.3	180 ± 4.9	125 ± 5.0
3333.0	20 ± 6.0	77 ± 12.8	117 ± 10.8	136 ± 10.6	145 ± 2.3
10000.0	91 ± 5.8[p]	92 ± 6.6[p]	125 ± 13.9[p]	156 ± 3.8[p]	145 ± 10.4[p]
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control[2]			676 ± 23.9	983 ± 19.5	1316 ± 62.6
Positive Control[3]	1529 ± 53.2	808 ± 92.5			

Experiment Number: **238333**

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

G06: Ames Summary Data

Test Compound: **Carisoprodol**

CAS Number: **78-44-4**

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

Time Report Requested: **04:39:00**

Strain: TA100

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control[1]	163 ± 7.7
100.0	167 ± 7.0
333.0	195 ± 4.3
1000.0	187 ± 4.0
3333.0	167 ± 14.7
10000.0	174 ± 6.0[p]
Trial Summary	Negative
Positive Control[2]	2434 ± 94.1
Positive Control[3]	

Experiment Number: **238333**

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

G06: Ames Summary Data

Test Compound: **Carisoprodol**

CAS Number: **78-44-4**

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

Time Report Requested: **04:39:00**

Strain: TA1535

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control[1]	16 ± 2.7	9 ± 2.4	12 ± 1.2	10 ± 2.5	17 ± 2.0
100.0	11 ± 0.9	5 ± 2.3	17 ± 2.1	9 ± 1.9	14 ± 0.9
333.0	16 ± 1.5	6 ± 1.7	15 ± 1.5	11 ± 1.8	12 ± 1.2
1000.0	12 ± 0.9	8 ± 1.5	14 ± 1.2	12 ± 2.3	18 ± 2.2
3333.0	2 ± 1.2	8 ± 1.0	17 ± 0.6	10 ± 2.6	14 ± 2.3
10000.0	Toxic	8 ± 0.9[p]	13 ± 1.5[p]	7 ± 1.2[p]	17 ± 1.2[p]
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control[4]			136 ± 26.8	145 ± 29.2	250 ± 14.1
Positive Control[3]	897 ± 38.7	242 ± 36.5			

Experiment Number: **238333**

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

G06: Ames Summary Data

Test Compound: **Carisoprodol**

CAS Number: **78-44-4**

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

Time Report Requested: **04:39:00**

Strain: TA1535

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control[1]	8 ± 1.5
100.0	9 ± 1.2
333.0	9 ± 1.2
1000.0	9 ± 3.6
3333.0	12 ± 1.2
10000.0	7 ± 1.5[p]
Trial Summary	Negative
Positive Control[4]	105 ± 3.8
Positive Control[3]	

Experiment Number: **238333**

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

G06: Ames Summary Data

Test Compound: **Carisoprodol**

CAS Number: **78-44-4**

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

Time Report Requested: **04:39:00**

Strain: TA1537

Dose (ug/Plate)	Without S9	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control[1]	11 ± 1.3	12 ± 2.0	9 ± 1.3	18 ± 2.3	10 ± 1.7
10.0			7 ± 1.9		
33.0		8 ± 1.5	8 ± 0.7		
100.0	9 ± 2.3	10 ± 1.2	8 ± 1.2	21 ± 1.3	12 ± 2.3
333.0	9 ± 2.7	8 ± 0.9	8 ± 1.5	24 ± 3.5	10 ± 0.0
1000.0	Toxic	8 ± 1.2	9 ± 0.6	21 ± 2.0	9 ± 1.0
3333.0	Toxic	Toxic		16 ± 2.9	8 ± 1.9
10000.0	Toxic			12 ± 0.9[p]	5 ± 0.9[p]
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control[4]				96 ± 5.4	62 ± 8.3
Positive Control[5]	308 ± 69.8	105 ± 19.1	570 ± 7.6		

Experiment Number: **238333**

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

G06: Ames Summary Data

Test Compound: **Carisoprodol**

CAS Number: **78-44-4**

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

Time Report Requested: **04:39:00**

Strain: TA1537

Dose (ug/Plate)	With 10% Hamster S9	With 10% Hamster S9
Vehicle Control[1]	6 ± 0.0	9 ± 2.3
10.0		
33.0		
100.0	10 ± 0.9	11 ± 0.6
333.0	7 ± 0.6	10 ± 1.9
1000.0	8 ± 0.3	15 ± 1.8
3333.0	9 ± 1.2	11 ± 0.6
10000.0	6 ± 0.9[p]	6 ± 0.9[p]
Trial Summary	Negative	Negative
Positive Control[4]	190 ± 7.9	33 ± 3.3
Positive Control[5]		

Experiment Number: **238333**

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

G06: Ames Summary Data

Test Compound: **Carisoprodol**

CAS Number: **78-44-4**

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

Time Report Requested: **04:39:00**

Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control[1]	28 ± 1.5	12 ± 3.7	42 ± 1.2	18 ± 2.7	38 ± 5.4
100.0	26 ± 0.9	20 ± 2.6	40 ± 3.8	16 ± 2.4	41 ± 3.4
333.0	29 ± 3.2	18 ± 1.2	46 ± 8.2	19 ± 2.0	35 ± 4.2
1000.0	30 ± 1.8	16 ± 4.3	46 ± 2.1	20 ± 1.2	44 ± 2.3
3333.0	5 ± 2.9	13 ± 1.5	40 ± 1.2	17 ± 0.6	39 ± 1.7
10000.0	11 ± 2.3[p]	15 ± 1.5[p]	32 ± 3.0[p]	18 ± 2.7[p]	19 ± 5.1[p]
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control[2]			248 ± 17.4	318 ± 20.4	874 ± 65.4
Positive Control[6]	198 ± 14.2	164 ± 15.6			

Experiment Number: **238333**

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

G06: Ames Summary Data

Test Compound: **Carisoprodol**

CAS Number: **78-44-4**

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

Time Report Requested: **04:39:00**

Strain: TA98

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control[1]	13 ± 1.0
100.0	12 ± 1.0
333.0	14 ± 3.2
1000.0	12 ± 0.7
3333.0	16 ± 0.3
10000.0	12 ± 1.5[p]
Trial Summary	Negative
Positive Control[2]	1185 ± 19.5
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: 1.0 ug/Plate 2-Aminoanthracene
3: 3.3 ug/Plate Sodium Azide
4: 2.0 ug/Plate 2-Aminoanthracene
5: 33.0 ug/Plate 9-Aminoacridine
6: 3.3 ug/Plate 4-Nitro-O-Phenylenediamine
p: Precipitate

** END OF REPORT **