Experiment Number: **A71624**

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

G06: Ames Summary Data

Test Compound: **Digitonin**

CAS Number: **11024-24-1**

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

Time Report Requested: **18:40:49**

NTP Study Number: A71624

Study Result: Negative

Experiment Number: **A71624**

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

G06: Ames Summary Data

Test Compound: **Digitonin**

CAS Number: **11024-24-1**

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

Time Report Requested: **18:40:49**

Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control[1]	104 ± 1.9	106 ± 1.9	110 ± 2.7	113 ± 5.5	118 ± 2.0
10.0	101 ± 7.9	98 ± 3.8			
33.0	109 ± 3.5	97 ± 1.0			
100.0	105 ± 2.0	104 ± 1.3	111 ± 6.2	115 ± 6.8	111 ± 9.4
333.0	104 ± 2.9	90 ± 5.8	118 ± 5.2	117 ± 6.3	98 ± 6.2
1000.0	96 ± 2.3	95 ± 11.6	108 ± 2.7	116 ± 4.9	115 ± 8.0
3333.0			99 ± 4.3	109 ± 4.6	104 ± 7.4
6666.0					
10000.0			46 ± 2.3	81 ± 7.5	65 ± 4.4
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control[2]					322 ± 10.6
Positive Control[3]			358 ± 12.4		
Positive Control[4]					
Positive Control[5]	855 ± 13.7	1041 ± 5.8			
Positive Control[6]				327 ± 12.7	

Experiment Number: **A71624**

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

G06: Ames Summary Data

Test Compound: **Digitonin**

CAS Number: **11024-24-1**

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

Time Report Requested: **18:40:49**

Strain: TA100

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control[1]	107 ± 1.9
10.0	
33.0	
100.0	111 ± 2.1
333.0	102 ± 6.7
1000.0	121 ± 5.2
3333.0	112 ± 2.0
6666.0	
10000.0	97 ± 3.1
Trial Summary	Negative
Positive Control[2]	
Positive Control[3]	
Positive Control[4]	352 ± 11.7
Positive Control[5]	
Positive Control[6]	

Experiment Number: **A71624**

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

G06: Ames Summary Data

Test Compound: **Digitonin**

CAS Number: **11024-24-1**

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

Time Report Requested: **18:40:49**

Strain: TA1535

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control[1]	11 ± 1.2	9 ± 0.3	10 ± 1.7	15 ± 2.3	10 ± 1.2
10.0	11 ± 1.2	10 ± 2.5			
33.0	16 ± 2.7	13 ± 0.0			
100.0	11 ± 1.5	11 ± 1.7	9 ± 0.3	14 ± 0.9	9 ± 1.9
333.0	12 ± 0.3	12 ± 1.5	9 ± 1.5	12 ± 0.3	11 ± 1.5
1000.0	9 ± 1.2	13 ± 0.6	12 ± 1.2	12 ± 1.7	12 ± 0.3
3333.0			10 ± 0.7	12 ± 0.7	10 ± 2.1
10000.0			10 ± 1.2	12 ± 1.0	10 ± 0.6
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control[3]					81 ± 1.5
Positive Control[7]			92 ± 2.6		
Positive Control[5]	922 ± 7.5	839 ± 35.0			
Positive Control[6]					
Positive Control[8]				145 ± 6.8	

Experiment Number: **A71624**

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

G06: Ames Summary Data

Test Compound: **Digitonin**

CAS Number: **11024-24-1**

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

Time Report Requested: **18:40:49**

Strain: TA1535

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control[1]	12 ± 0.3
10.0	
33.0	
100.0	12 ± 1.5
333.0	11 ± 1.2
1000.0	11 ± 1.2
3333.0	12 ± 1.3
10000.0	10 ± 1.5
Trial Summary	Negative
Positive Control[3]	
Positive Control[7]	
Positive Control[5]	
Positive Control[6]	223 ± 7.2
Positive Control[8]	

Experiment Number: **A71624**

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

G06: Ames Summary Data

Test Compound: **Digitonin**

CAS Number: **11024-24-1**

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

Time Report Requested: **18:40:49**

Strain: TA97

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control[1]	127 ± 10.5	118 ± 3.9	110 ± 3.0	122 ± 8.5	121 ± 3.3
10.0	134 ± 10.5	111 ± 5.3			
33.0	142 ± 3.3	127 ± 7.5			
100.0	139 ± 9.2	122 ± 8.7	111 ± 2.0	132 ± 14.9	111 ± 13.9
333.0	141 ± 8.7	107 ± 2.6	105 ± 6.1	133 ± 2.7	107 ± 1.5
1000.0	142 ± 8.3	112 ± 1.2	109 ± 3.6	143 ± 10.5	108 ± 2.0
3333.0			103 ± 8.1	120 ± 5.1	95 ± 4.7
10000.0			73 ± 3.7	119 ± 10.9	108 ± 11.7
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control[2]					319 ± 11.7
Positive Control[3]			330 ± 16.4		
Positive Control[4]				391 ± 3.8	
Positive Control[9]	407 ± 19.1	453 ± 32.4			

Experiment Number: **A71624**

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

G06: Ames Summary Data

Test Compound: **Digitonin**

CAS Number: **11024-24-1**

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

Time Report Requested: **18:40:49**

Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control[1]	10 ± 1.2	13 ± 2.9	16 ± 0.9	20 ± 0.9	18 ± 0.9
10.0	12 ± 0.7	14 ± 0.9			
33.0	10 ± 1.9	15 ± 2.7			
100.0	11 ± 2.1	15 ± 0.7	15 ± 1.2	20 ± 0.3	18 ± 3.7
333.0	12 ± 1.8	18 ± 2.8	20 ± 2.6	14 ± 1.2	19 ± 2.5
1000.0	13 ± 2.1	18 ± 0.3	16 ± 1.5	17 ± 2.3	16 ± 2.1
3333.0			16 ± 1.5	12 ± 1.8	14 ± 1.9
6666.0					
10000.0			14 ± 1.5	16 ± 4.4	12 ± 1.5
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control[2]					331 ± 6.2
Positive Control[3]			272 ± 27.0		
Positive Control[4]					
Positive Control[10]	317 ± 3.6	322 ± 36.4			
Positive Control[6]				245 ± 4.3	

Experiment Number: **A71624**

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

G06: Ames Summary Data

Test Compound: **Digitonin**

CAS Number: **11024-24-1**

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

Time Report Requested: **18:40:49**

Strain: TA98

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control[1]	16 ± 0.3
10.0	
33.0	
100.0	14 ± 3.2
333.0	17 ± 1.5
1000.0	14 ± 2.3
3333.0	17 ± 1.8
6666.0	
10000.0	17 ± 2.4
Trial Summary	Negative
Positive Control[2]	
Positive Control[3]	
Positive Control[4]	263 ± 7.8
Positive Control[10]	
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: 0.5 ug/Plate 2-Aminoanthracene
3: 1.0 ug/Plate 2-Aminoanthracene
4: 2.0 ug/Plate 2-Aminoanthracene
5: 5.0 ug/Plate Sodium Azide
6: 5.0 ug/Plate 2-Aminoanthracene
7: 2.5 ug/Plate 2-Aminoanthracene
8: 10.0 ug/Plate 2-Aminoanthracene
9: 50.0 ug/Plate 9-Aminoacridine
10: 2.5 ug/Plate 4-Nitro-O-Phenylenediamine

** END OF REPORT **