Experiment Number: **105823**

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

G06: Ames Summary Data

Test Compound: **1,3-Diphenylguanidine**

CAS Number: **102-06-7**

Date Report Requested: **09/11/2018**

Time Report Requested: **19:05:31**

NTP Study Number: 105823

Study Result: Weakly Positive

Experiment Number: **105823**

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

G06: Ames Summary Data

Test Compound: **1,3-Diphenylguanidine**

CAS Number: **102-06-7**

Date Report Requested: **09/11/2018**

Time Report Requested: **19:05:31**

Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control[1]	146 ± 25.8	96 ± 2.8	117 ± 17.1	110 ± 7.3	124 ± 5.5
1.0					
3.0					
10.0					
33.0					
100.0	120 ± 13.8	93 ± 7.4	103 ± 3.8	109 ± 0.0	
333.0	88 ± 2.6	96 ± 6.2	98 ± 4.1	111 ± 8.1	98 ± 9.3
1000.0	104 ± 7.2	105 ± 17.0	103 ± 8.5	109 ± 3.2	81 ± 3.8
3333.0	122 ± 12.9	94 ± 5.3	137 ± 5.9	154 ± 0.9	90 ± 9.6
6666.0		88 ± 5.2			96 ± 3.7
10000.0	65 ± 25.1[s]		137 ± 6.6[p]	150 ± 8.0[p]	117 ± 13.9[p]
Trial Summary	Negative	Negative	Negative	Equivocal	Negative
Positive Control[2]			546 ± 21.2	464 ± 5.2	664 ± 19.7
Positive Control[3]	378 ± 12.7	348 ± 10.4			

Experiment Number: **105823**

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

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Test Compound: **1,3-Diphenylguanidine**

CAS Number: **102-06-7**

Date Report Requested: **09/11/2018**

Time Report Requested: **19:05:31**

Strain: TA100

Dose (ug/Plate)	With 10% Hamster S9	With 10% Hamster S9	With 10% Hamster S9	With 10% Hamster S9
Vehicle Control[1]	110 ± 0.9	120 ± 7.0	114 ± 4.1	95 ± 8.2
1.0			96 ± 8.7	147 ± 3.2
3.0			94 ± 2.8	157 ± 13.6
10.0			125 ± 6.7	170 ± 3.8
33.0			150 ± 6.4	231 ± 9.6
100.0	271 ± 10.2	215 ± 31.3	213 ± 15.3	243 ± 15.5
333.0	269 ± 22.3	201 ± 18.2		
1000.0	265 ± 16.3	213 ± 23.6		
3333.0	260 ± 2.0	177 ± 14.1		
6666.0				
10000.0	196 ± 11.5[p]	162 ± 20.1[p]		
Trial Summary	Equivocal	Equivocal	Weakly Positive	Positive
Positive Control[2]	1408 ± 32.1	1067 ± 33.1	1641 ± 35.6	1411 ± 31.3
Positive Control[3]				

Experiment Number: **105823**

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

G06: Ames Summary Data

Test Compound: **1,3-Diphenylguanidine**

CAS Number: **102-06-7**

Date Report Requested: **09/11/2018**

Time Report Requested: **19:05:31**

Strain: TA1535

Dose (ug/Plate)	Without S9	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control[1]	27 ± 1.2	23 ± 4.0	31 ± 4.2	12 ± 0.3	9 ± 1.5
33.0			19 ± 2.6		
100.0	35 ± 3.7	31 ± 2.9		8 ± 2.0	9 ± 1.7
333.0	37 ± 2.9	33 ± 3.8	25 ± 0.9	7 ± 1.2	7 ± 1.2
1000.0	34 ± 4.5	33 ± 4.3	29 ± 5.0	6 ± 0.3	8 ± 3.0
3333.0	18 ± 6.7	45 ± 9.5	19 ± 9.6	9 ± 3.2	5 ± 0.7
6666.0		47 ± 8.5	11 ± 5.9		
10000.0	0 ± 0.0[s]			18 ± 5.8[p]	10 ± 2.3[p]
Trial Summary	Negative	Weakly Positive	Negative	Negative	Negative
Positive Control[3]	392 ± 7.5	366 ± 31.1	355 ± 40.6		
Positive Control[4]				168 ± 3.8	257 ± 29.8

Experiment Number: **105823**

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

G06: Ames Summary Data

Test Compound: **1,3-Diphenylguanidine**

CAS Number: **102-06-7**

Date Report Requested: **09/11/2018**

Time Report Requested: **19:05:31**

Strain: TA1535

Dose (ug/Plate)	With 10% Hamster S9	With 10% Hamster S9
Vehicle Control[1]	7 ± 1.2	7 ± 0.3
33.0		
100.0	10 ± 4.4	9 ± 1.8
333.0	8 ± 2.1	9 ± 2.4
1000.0	13 ± 2.5	7 ± 0.6
3333.0	15 ± 1.5	9 ± 4.5
6666.0		
10000.0	31 ± 1.2[s]	12 ± 3.7[p]
Trial Summary	Equivocal	Negative
Positive Control[3]		
Positive Control[4]	435 ± 25.0	452 ± 6.0

Experiment Number: **105823**

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

G06: Ames Summary Data

Test Compound: **1,3-Diphenylguanidine**

CAS Number: **102-06-7**

Date Report Requested: **09/11/2018**

Time Report Requested: **19:05:31**

Strain: TA1537

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control[1]	5 ± 1.5	3 ± 0.7	7 ± 0.3	6 ± 1.5	11 ± 1.0
100.0	6 ± 3.2		8 ± 2.0	4 ± 0.7	
333.0	6 ± 0.6	7 ± 1.3	7 ± 0.6	6 ± 0.9	5 ± 1.5
1000.0	6 ± 0.0	5 ± 0.3	8 ± 0.6	4 ± 0.7	5 ± 1.5
3333.0	5 ± 1.5	7 ± 1.2	10 ± 1.8	5 ± 1.2	10 ± 1.5
6666.0		4 ± 0.3			7 ± 0.3
10000.0	29 ± 13.8[s]	Toxic	14 ± 1.2[p]	65 ± 14.7[p]	10 ± 3.0[p]
Trial Summary	Equivocal	Negative	Negative	Equivocal	Negative
Positive Control[4]			168 ± 8.5	160 ± 22.2	163 ± 7.4
Positive Control[5]	135 ± 32.9	241 ± 23.8			

Experiment Number: **105823**

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

G06: Ames Summary Data

Test Compound: **1,3-Diphenylguanidine**

CAS Number: **102-06-7**

Date Report Requested: **09/11/2018**

Time Report Requested: **19:05:31**

Strain: TA1537

Dose (ug/Plate)	With 10% Rat S9	With 10% Hamster S9	With 10% Hamster S9	With 10% Hamster S9	With 10% Hamster S9
Vehicle Control[1]	4 ± 0.3	6 ± 1.2	5 ± 1.0	4 ± 1.7	5 ± 1.2
100.0		7 ± 2.3	7 ± 1.2		
333.0	9 ± 2.0	13 ± 2.9	5 ± 0.6	5 ± 0.9	9 ± 2.3
1000.0	7 ± 1.2	7 ± 1.2	6 ± 1.3	8 ± 0.3	10 ± 3.8
3333.0	12 ± 1.3	8 ± 2.3	10 ± 2.5	9 ± 2.3	10 ± 2.7
6666.0	13 ± 2.4			9 ± 2.7	10 ± 2.1
10000.0	15 ± 0.0[p]	10 ± 2.0[p]	15 ± 5.9[p]	43 ± 22.8[p]	9 ± 2.0[p]
Trial Summary	Equivocal	Negative	Equivocal	Equivocal	Negative
Positive Control[4]	385 ± 11.6	465 ± 40.4	422 ± 28.3	396 ± 9.5	72 ± 3.8
Positive Control[5]					

Experiment Number: **105823**

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

G06: Ames Summary Data

Test Compound: **1,3-Diphenylguanidine**

CAS Number: **102-06-7**

Date Report Requested: **09/11/2018**

Time Report Requested: **19:05:31**

Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control[1]	16 ± 2.0	14 ± 1.2	29 ± 2.0	22 ± 2.0	32 ± 8.4
1.0					
3.0					
10.0					
33.0					
100.0	19 ± 0.3	16 ± 1.5	31 ± 0.9	19 ± 0.7	
333.0	15 ± 1.0	16 ± 1.2	32 ± 2.5	22 ± 3.7	19 ± 3.2
1000.0	19 ± 3.3	14 ± 3.6	34 ± 5.0	21 ± 1.7	19 ± 0.7
3333.0	19 ± 4.6	18 ± 3.5	42 ± 3.2	31 ± 4.3	29 ± 6.4
6666.0		18 ± 0.6			29 ± 5.5
10000.0	6 ± 2.8[s]		44 ± 1.9[p]	31 ± 5.2[p]	30 ± 3.6[p]
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control[2]			396 ± 14.7	411 ± 13.7	479 ± 43.6
Positive Control[6]	298 ± 9.2	480 ± 38.2			

Experiment Number: **105823**

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

G06: Ames Summary Data

Test Compound: **1,3-Diphenylguanidine**

CAS Number: **102-06-7**

Date Report Requested: **09/11/2018**

Time Report Requested: **19:05:31**

Strain: TA98

Dose (ug/Plate)	With 10% Hamster S9	With 10% Hamster S9	With 10% Hamster S9	With 10% Hamster S9
Vehicle Control[1]	33 ± 3.5	24 ± 2.0	31 ± 5.7	22 ± 3.2
1.0			31 ± 0.9	29 ± 0.6
3.0			29 ± 4.7	31 ± 3.8
10.0			34 ± 3.6	39 ± 4.6
33.0			38 ± 2.6	51 ± 5.8
100.0	68 ± 2.6	63 ± 7.8	47 ± 3.0	46 ± 3.8
333.0	81 ± 4.0	51 ± 5.3		
1000.0	75 ± 7.5	55 ± 4.3		
3333.0	74 ± 6.8	51 ± 5.2		
6666.0				
10000.0	78 ± 10.4[p]	58 ± 5.6[p]		
Trial Summary	Positive	Equivocal	Negative	Positive
Positive Control[2]	1325 ± 87.4	1012 ± 54.6	1300 ± 95.3	1254 ± 53.9
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: 1.0 ug/Plate Sodium Azide
4: 2.5 ug/Plate 2-Aminoanthracene
5: 50.0 ug/Plate 9-Aminoacridine
6: 5.0 ug/Plate 4-Nitro-O-Phenylenediamine
p: Precipitate
s: Slight Toxicity

** END OF REPORT **