

Experiment Number: A29357

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

G06: Ames Summary Data

Test Compound: Dopamine

CAS Number: 51-61-6

Date Report Requested: **09/16/2018**

Time Report Requested: **14:53:05**

NTP Study Number:

A29357

Study Result:

Weakly Positive

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G06: Ames Summary Data

Test Compound: Dopamine

CAS Number: 51-61-6

Date Report Requested: 09/16/2018

Time Report Requested: 14:53:05

Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control ¹	103 ± 9.5	126 ± 3.8	153 ± 4.1	121 ± 6.2	142 ± 3.2
100.0	95 ± 12.0	146 ± 3.7	154 ± 6.3	108 ± 11.1	125 ± 11.3
333.0	110 ± 8.5	134 ± 2.3	160 ± 3.7	96 ± 4.7	150 ± 8.4
1000.0	125 ± 7.8	140 ± 1.2	150 ± 1.0	117 ± 2.5	156 ± 13.8
3333.0	128 ± 6.2	117 ± 4.2	156 ± 5.2	129 ± 10.1	138 ± 6.2
10000.0	122 ± 8.1	125 ± 7.9	155 ± 5.6	132 ± 3.5	141 ± 2.6
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					564 ± 24.7
Positive Control ³			473 ± 38.9		
Positive Control ⁴	882 ± 20.3	734 ± 9.2			
Positive Control ⁵				425 ± 32.8	

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G06: Ames Summary Data
Test Compound: Dopamine
CAS Number: 51-61-6

Date Report Requested: 09/16/2018
Time Report Requested: 14:53:05

Strain: TA100

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	113 ± 6.6
100.0	110 ± 5.2
333.0	112 ± 7.3
1000.0	127 ± 7.2
3333.0	122 ± 4.9
10000.0	137 ± 4.7
Trial Summary	Negative
Positive Control ²	
Positive Control ³	495 ± 20.3
Positive Control ⁴	
Positive Control ⁵	

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Date Report Requested: 09/16/2018

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

Time Report Requested: 14:53:05

CAS Number: 51-61-6

Strain: TA1535

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control ¹	10 ± 0.9	9 ± 0.7	9 ± 1.5	15 ± 0.6	10 ± 0.9
100.0	10 ± 0.0	9 ± 0.6	9 ± 1.5	11 ± 0.6	10 ± 0.0
333.0	11 ± 1.5	9 ± 0.9	8 ± 0.7	11 ± 0.9	9 ± 0.3
1000.0	10 ± 0.9	9 ± 0.9	11 ± 0.7	11 ± 0.7	8 ± 0.9
3333.0	11 ± 1.3	7 ± 1.3	10 ± 1.0	11 ± 1.5	10 ± 0.6
10000.0	5 ± 0.6	11 ± 0.9	10 ± 1.2	7 ± 0.9	8 ± 0.9
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ³					175 ± 13.5
Positive Control ⁴	830 ± 11.6	671 ± 22.1			
Positive Control ⁵			169 ± 8.7		
Positive Control ⁶				165 ± 9.0	

Experiment Number: A29357

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

Test Compound: Dopamine

CAS Number: 51-61-6

Date Report Requested: 09/16/2018

Time Report Requested: 14:53:05

Strain: TA1535

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	15 ± 1.2
100.0	12 ± 1.2
333.0	12 ± 0.3
1000.0	12 ± 1.7
3333.0	11 ± 1.2
10000.0	10 ± 0.9
Trial Summary	Negative
Positive Control ³	
Positive Control ⁴	
Positive Control ⁵	190 ± 6.6
Positive Control ⁶	

Experiment Number: A29357

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G06: Ames Summary Data

Test Compound: Dopamine

CAS Number: 51-61-6

Date Report Requested: 09/16/2018

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Strain: TA1537

Dose (ug/Plate)	Without S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	10 ± 1.3	11 ± 0.9	14 ± 2.5
100.0	14 ± 4.1	13 ± 0.6	15 ± 3.1
333.0	10 ± 1.3	17 ± 2.6	16 ± 0.3
1000.0	14 ± 3.5	16 ± 1.5	12 ± 2.7
3333.0	10 ± 0.9	15 ± 1.0	14 ± 2.1
10000.0	8 ± 1.0	17 ± 0.7	13 ± 1.0
Trial Summary	Negative	Negative	Negative
Positive Control ³			219 ± 2.9
Positive Control ⁵		202 ± 15.2	
Positive Control ⁷	164 ± 44.4		

Experiment Number: A29357

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Date Report Requested: 09/16/2018

Test Type: Genetic Toxicology - Bacterial
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Test Compound: Dopamine

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CAS Number: 51-61-6

Strain: TA97

Dose (ug/Plate)	Without S9	Without S9	Without S9	With 5% Rat S9	With 10% Rat S9
Vehicle Control ¹	157 ± 11.0	134 ± 5.7	122 ± 2.7	120 ± 11.8	144 ± 8.3
100.0	148 ± 4.9	176 ± 8.9	128 ± 9.5	135 ± 20.5	138 ± 5.2
333.0	165 ± 10.9	240 ± 22.8	146 ± 4.9	161 ± 16.6	178 ± 27.4
1000.0	138 ± 9.2	251 ± 19.9	145 ± 4.1	164 ± 1.9	214 ± 15.4
3333.0	160 ± 2.6	326 ± 14.0	182 ± 0.3	206 ± 7.9	268 ± 16.4
10000.0	181 ± 3.5	319 ± 11.4	236 ± 3.2	229 ± 2.9	310 ± 6.4
Trial Summary	Negative	Positive	Weakly Positive	Weakly Positive	Positive
Positive Control ²					
Positive Control ³				1040 ± 52.3	780 ± 26.7
Positive Control ⁵					
Positive Control ⁷	532 ± 14.1	454 ± 46.5	518 ± 39.3		

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Strain: TA97

Dose (ug/Plate)	With 10% Rat S9	With 30% Rat S9	With 5% Hamster S9	With 10% Hamster S9	With 10% Hamster S9
Vehicle Control ¹	111 ± 6.0	183 ± 8.4	148 ± 10.0	135 ± 5.8	137 ± 3.3
100.0	133 ± 13.1	177 ± 3.5	181 ± 9.5	158 ± 10.9	157 ± 5.9
333.0	166 ± 15.6	184 ± 9.8	197 ± 13.4	178 ± 9.1	177 ± 3.5
1000.0	173 ± 9.3	174 ± 5.7	190 ± 11.3	221 ± 12.8	195 ± 6.0
3333.0	189 ± 13.3	170 ± 8.7	189 ± 9.6	229 ± 11.0	183 ± 4.1
10000.0	207 ± 5.2	155 ± 12.0	197 ± 10.1	232 ± 7.2	221 ± 11.1
Trial Summary	Weakly Positive	Negative	Equivocal	Weakly Positive	Weakly Positive
Positive Control ²			1034 ± 66.2	708 ± 32.2	781 ± 45.1
Positive Control ³	818 ± 56.6				
Positive Control ⁵		867 ± 76.9			
Positive Control ⁷					

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Date Report Requested: 09/16/2018
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Strain: TA97

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	170 ± 6.3
100.0	174 ± 6.4
333.0	178 ± 10.0
1000.0	158 ± 5.5
3333.0	168 ± 11.6
10000.0	168 ± 11.3
Trial Summary	Negative
Positive Control ²	
Positive Control ³	987 ± 43.3
Positive Control ⁵	
Positive Control ⁷	

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Date Report Requested: 09/16/2018

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Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control ¹	23 ± 3.2	19 ± 1.2	12 ± 1.5	21 ± 3.7	11 ± 0.7
100.0	19 ± 3.8	17 ± 3.4	10 ± 0.9	22 ± 3.2	12 ± 1.5
333.0	29 ± 4.3	20 ± 0.7	10 ± 0.3	27 ± 1.3	9 ± 1.9
1000.0	21 ± 2.6	16 ± 1.0	12 ± 1.8	23 ± 1.3	8 ± 1.0
3333.0	13 ± 1.8	19 ± 0.9	14 ± 0.3	35 ± 2.5	11 ± 1.3
10000.0	17 ± 1.5	13 ± 3.0	12 ± 1.8	33 ± 2.3	10 ± 1.0
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					268 ± 22.5
Positive Control ³			233 ± 3.8		
Positive Control ⁸	311 ± 3.8	344 ± 2.3			
Positive Control ⁵				471 ± 26.3	

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Date Report Requested: 09/16/2018
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Strain: TA98

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	31 ± 4.5
100.0	29 ± 3.8
333.0	27 ± 0.7
1000.0	25 ± 3.2
3333.0	33 ± 3.4
10000.0	36 ± 3.2
Trial Summary	Negative
Positive Control ²	
Positive Control ³	481 ± 14.9
Positive Control ⁸	
Positive Control ⁵	

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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: Water

2: 1.0 ug/Plate 2-Aminoanthracene

3: 2.0 ug/Plate 2-Aminoanthracene

4: 5.0 ug/Plate Sodium Azide

5: 5.0 ug/Plate 2-Aminoanthracene

6: 10.0 ug/Plate 2-Aminoanthracene

7: 50.0 ug/Plate 9-Aminoacridine

8: 2.5 ug/Plate 4-Nitro-O-Phenylenediamine

**** END OF REPORT ****