

Experiment Number: A33386

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

G06: Ames Summary Data

Test Compound: **Ginkgo biloba extract**

CAS Number: **90045-36-6**

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

Time Report Requested: **17:39:01**

NTP Study Number:

A33386

Study Result:

Positive

Experiment Number: A33386

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: Ginkgo biloba extract

CAS Number: 90045-36-6

Date Report Requested: 09/16/2018

Time Report Requested: 17:39:01

Strain: TA100

| Dose (ug/Plate) | Without S9 | Without S9 | With 10% Rat S9 | With 10% Rat S9 |
|-------------------------------|-------------------|-------------------|------------------------|------------------------|
| Vehicle Control ¹ | 59 ± 1.9 | 67 ± 7.2 | 78 ± 2.3 | 69 ± 1.8 |
| 1000.0 | 81 ± 2.8 | 55 ± 5.4 | 114 ± 6.6 | 104 ± 3.5 |
| 2500.0 | 93 ± 7.6 | 55 ± 8.9 | 125 ± 8.9 | 106 ± 4.7 |
| 5000.0 | 101 ± 3.5 | 67 ± 4.4 | 131 ± 10.4 | 126 ± 5.7 |
| 7500.0 | 103 ± 3.5 | 116 ± 0.6 | 142 ± 5.9 | 132 ± 8.7 |
| 10000.0 | 159 ± 9.5 | 130 ± 5.0 | 172 ± 3.6 | 139 ± 16.6 |
| Trial Summary | Positive | Positive | Positive | Positive |
| Positive Control ² | 421 ± 19.8 | 769 ± 62.8 | | |
| Positive Control ³ | | | 830 ± 17.9 | 827 ± 18.3 |

Experiment Number: A33386

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: Ginkgo biloba extract

CAS Number: 90045-36-6

Date Report Requested: 09/16/2018

Time Report Requested: 17:39:01

Strain: TA98

| Dose (ug/Plate) | Without S9 | Without S9 | With 10% Rat S9 | With 10% Rat S9 |
|-------------------------------|-------------------|-------------------|------------------------|------------------------|
| Vehicle Control ¹ | 20 ± 1.8 | 21 ± 0.0 | 28 ± 2.1 | 33 ± 3.8 |
| 1000.0 | 34 ± 4.6 | 32 ± 4.6 | 94 ± 8.2 | 94 ± 5.0 |
| 2500.0 | 49 ± 4.1 | 39 ± 3.3 | 131 ± 27.3 | 146 ± 14.3 |
| 5000.0 | 58 ± 3.5 | 53 ± 3.4 | 145 ± 9.0 | 193 ± 16.1 |
| 7500.0 | 72 ± 5.2 | 64 ± 5.5 | 221 ± 11.5 | 239 ± 3.0 |
| 10000.0 | 66 ± 9.3 | 46 ± 4.1 | 243 ± 8.9 | 285 ± 22.9 |
| Trial Summary | Positive | Positive | Positive | Positive |
| Positive Control ³ | | | 1112 ± 64.7 | 951 ± 41.3 |
| Positive Control ⁴ | 629 ± 15.9 | 649 ± 13.3 | | |

Experiment Number: A33386

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: Ginkgo biloba extract

CAS Number: 90045-36-6

Date Report Requested: 09/16/2018

Time Report Requested: 17:39:01

Strain: E. coli WP2 uvrA pKM101

| Dose (ug/Plate) | Without S9 | Without S9 | With 10% Rat S9 | With 10% Rat S9 |
|-------------------------------|-------------------|-------------------|------------------------|------------------------|
| Vehicle Control ¹ | 149 ± 7.0 | 125 ± 3.3 | 207 ± 7.4 | 199 ± 17.4 |
| 1000.0 | 203 ± 15.4 | 144 ± 8.2 | 222 ± 8.3 | 241 ± 15.3 |
| 2500.0 | 260 ± 18.9 | 169 ± 1.7 | 303 ± 20.0 | 262 ± 10.7 |
| 5000.0 | 249 ± 16.4 | 165 ± 7.5 | 253 ± 12.6 | 259 ± 22.6 |
| 7500.0 | 258 ± 15.8 | 171 ± 10.3 | 262 ± 19.1 | 302 ± 2.4 |
| 10000.0 | 268 ± 6.6 | 230 ± 11.2 | 327 ± 42.9 | 306 ± 8.2 |
| Trial Summary | Positive | Positive | Positive | Positive |
| Positive Control ⁵ | | | 1015 ± 11.9 | 1250 ± 38.9 |
| Positive Control ⁶ | 859 ± 52.3 | 2161 ± 37.3 | | |

Experiment Number: A33386

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

G06: Ames Summary Data

Test Compound: **Ginkgo biloba extract**

CAS Number: **90045-36-6**

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

Time Report Requested: **17:39:01**

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: Dimethyl Sulfoxide

2: 1.0 ug/Plate Sodium Azide

3: 2.5 ug/Plate 2-Aminoanthracene

4: 5.0 ug/Plate 2-Nitrofluorene

5: 20.0 ug/Plate 2-Aminoanthracene

6: 4000.0 ug/Plate Methyl Methane Sulfonate

**** END OF REPORT ****