

CERTIFICATE OF ANALYSIS

BenchMark™ Fetal Bovine Serum

(Catalog Number 100-106)

Lot Number: A423002

Date of Manufacture: JAN2023

Product Expiry: JAN2028

Origin: Nicaragua

Storage Temperature: ≤ -10°C

For Cell Culture, further Manufacturing or Research use only. Not for direct Therapeutic use.

Product Description: BenchMark™ Fetal Bovine Serum is sterile-filtered through a 0.1 μm filter prior to freezing.

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| ot Detected | Not Detected |
| | |
| Mormal | Normal |
| | 305.0 mOsm/kg |
| • • | 7.4 |
| 0.5 - 6.5 | 7.4 |
| | |
| st and Report | 1.7 g/dL |
| t and Report | 335 IU/L |
| | 12 IU/L |
| it and Report | 53 IU/L |
| st and Report st and Report | 33 10/ L |
| s | Normal - 350 mOsm/kg 6.5 – 8.5 st and Report st and Report st and Report |



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(Catalog Number 100-106)

Lot Number: A423002

| Test | Methodology | Specification | Analysis |
|------------------|--------------------|------------------------|--------------|
| Bilirubin, Total | Chemistry Analyzer | Test and Report | 0.2 mg/dL |
| BUN | Chemistry Analyzer | Test and Report | 20.0 mg/dL |
| Calcium | Chemistry Analyzer | Test and Report | 14.1 mg/dL |
| Chloride | Chemistry Analyzer | Test and Report | 98.0 mEq/L |
| Cholesterol | Chemistry Analyzer | Test and Report | 35.0mg/dL |
| Cortisol | Chemistry Analyzer | Test and Report | <0.2 µg/dL |
| Creatinine | Chemistry Analyzer | Test and Report | 2.6 mg/dL |
| Glucose | Chemistry Analyzer | Test and Report | 45.0 mg/dL |
| lgG | ELISA | <0.300 mg/mL* | 0.1427 mg/ml |
| Insulin | | Test and Report | 8.670 uIU/mL |
| Iron, Serum | Chemistry Analyzer | Test and Report | 167.0 μg/dL |
| Phosphorus | Chemistry Analyzer | Test and Report | 8.3 mg/dL |
| Potassium | Chemistry Analyzer | Test and Report | 10.8 mEq/L |
| Progesterone | | Test and Report | <0.06 ng/mL |
| Protein, Total | Chemistry Analyzer | 2.5 - 6.0 g/dL | 3.7 g/dL |
| Sodium | Chemistry Analyzer | Test and Report | 137.0 mEq/L |
| Testosterone | | Test and Report | <0.01 ng/mL |
| T3 | | Test and Report | 54.9 ng/dL |
| T4 | | Test and Report | 15.3 μg/dL |
| Triglycerides | Chemistry Analyzer | Test and Report | 51.0 mg/dL |
| Uric Acid | Chemistry Analyzer | Test and Report | 0.9 mg/dL |

Our fetal bovine serum meets all USDA requirements and has passed ante and post-mortem inspection by a licensed veterinarian. It is collected in countries recognized as being free of foot-and-mouth disease and rinderpest. The origin of all fetal bovine serum is traceable by lot number, date, and country of collection. Precipitates may develop in this product upon freezing and/or thawing; this occurrence does not impact culture performance. *Some geographic regions may test higher than 0.300 mg/mL. If this be the case, refer to GGT results less than 10 U/L to ensure FBS purity.

The testing that has been performed as part of this lot release has been reviewed by Quality Assurance personnel and has confirmed that the testing meets the specifications presented on this Certificate of Analysis.

| VANESSA YOUNG | 23 MAR 2023 | |
|-----------------|-------------|--|
| Name | Date | |
| QA ASSOCIATE II | | |
| Title | | |