



CERTIFICATE OF ANALYSIS
Foundation™ Fetal Bovine Serum
(Catalog Number 900-108)

Lot Number: A424066

Date of Manufacture: Dec2024

Product Expiry: Dec2029

Origin: Nicaragua

Storage Temperature: ≤ -10°C

For cell culture, further manufacturing or research use only. Not for direct therapeutic use.

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

| Test | Methodology | Specification | Analysis |
|------------------------------------|---|-------------------|--------------|
| Biological Testing | | | |
| Endotoxin | USP <85> & EP 2.6.14 | <50.0 EU/mL | <0.005 EU/mL |
| Hemoglobin | UPS <90> | <40.0 mg/dL | 6.88 mg/dL |
| Microbiological Testing | | | |
| Sterility | USP <71> | | |
| Bacteria | | No Growth | No Growth |
| Fungi | | No Growth | No Growth |
| Mycoplasma | Barile and Kern & Hoechst Fluorochrome Stain | Not Detected | Not Detected |
| Viral Testing | 9CFR113.53c[113.46,113.47] | | |
| Cytopathic Agents | | Not Detected | Not Detected |
| Hemadsorbing Agents | | Non-Reactive | Non-Reactive |
| Extraneous Viruses (FAb) | | Not Detected | Not Detected |
| Bluetongue Virus | | Not Detected | Not Detected |
| Bovine Adenovirus | | Not Detected | Not Detected |
| Bovine Parvovirus | | Not Detected | Not Detected |
| Bovine Viral Diarrhea (Cytopathic) | | Not Detected | Not Detected |
| Bovine Respiratory Syncytial Virus | | Not Detected | Not Detected |
| Rabies Virus | | Not Detected | Not Detected |
| Reovirus | | Not Detected | Not Detected |
| Physical Testing | | | |
| Electrophoretic Pattern | Cellulose Acetate Electrophoresis | Normal | Normal |
| Osmolality | USP <785> & EP 2.2.35 | 260 – 350 mOsm/kg | 309 mOsm/kg |
| pH @ RT | USP <791> & EP 2.2.3 | 6.5 – 8.5 | 7.23 |
| Biochemistry | | | |
| Albumin | | Test and Report | 2.0 g/dL |
| Alkaline Phosphatase | | Test and Report | 229 U/L |
| ALT (SGPT) | | Test and Report | 5 U/L |
| AST (SGOT) | | Test and Report | 44 U/L |
| GGT | Chemistry Analyzer | <10 U/L | 5 U/L |
| Bilirubin, Total | | Test and Report | 0.2 mg/dL |
| BUN | | Test and Report | 20 mg/dL |



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| Calcium | ELISA | Test and Report | 13.4 mg/dL |
| Chloride | | Test and Report | 99 mmol/L |
| Cholesterol | | Test and Report | 29 mg/dL |
| Cortisol | | Test and Report | <0.20 µg/dL |
| Creatinine | | Test and Report | 2.8 mg/dL |
| Glucose | | Test and Report | 67 mg/dL |
| IgG | | <0.300 mg/mL* | 0.0836 mg/mL |
| Insulin | | Test and Report | 8.06 µU/mL |
| Iron, Serum | | Test and Report | 168 µg/dL |
| Phosphorus | | Test and Report | 9.2 mg/dL |
| Potassium | | Test and Report | 10.8 mmol/L |
| Progesterone | | Test and Report | <0.1 ng/mL |
| Protein, Total | | USP <1057> & EP 2.5.33 | 2.5 – 6.0 g/dL 3.5 g/dL |
| Sodium | | Test and Report | 136 mmol/L |
| Testosterone | | Test and Report | 0.01 ng/mL |
| T3 | | Test and Report | 79.9 ng/dL |
| T4 | | Test and Report | 20.0 µg/dL |
| Triglycerides | | Test and Report | 62 mg/dL |
| Uric Acid | | Test and Report | 0.9 mg/dL |

Our fetal bovine serum meets all USDA requirements and has passed ante and post-mortem inspection. 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.

Korrina Nicewonger
Name

17 MAR 2025
Date

Quality Control Lead
Title