

### CERTIFICATE OF ANALYSIS

# Charcoal: Dextran Stripped Fetal Bovine Serum

(Catalog Number 100-119)

Lot Number: A425000

Date of Manufacture: Jul2023

Product Expiry: Jul2028

Origin: Mexico

Storage Temperature: ≤ -10°C

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

to freezing. Product Description: Charcoal: Dextran Stripped Fetal Bovine Serum is sterile-filtered through a 0.1 µm filter prior

| Albumin Alkaline Phosphatase ALT (SGPT) AST (SGOT) GGT Bilirubin, Total BUN                             | Electrophoretic Pattern Osmolality pH @ RT   | Bovine Adenovirus Bovine Parvovirus Bovine Viral Diarrhea (Cytopathic) Bovine Respiratory Syncytial Virus Rabies Virus Reovirus | Biological Testing Endotoxin Hemoglobin Microbiological Testing Sterility Bacteria Fungi Mycoplasma Viral Testing Cytopathic Agents Hemadsorbing Agents Extraneous Viruses (FAb) Bluetongue Virus | Test          |
|---|--|---|---|---------------|
| Chemistry Analyzer  | Cellulose Acetate Electrophoresis<br>USP <785> & EP 2.2.35<br>USP <791> & EP 2.2.3 | opathic)<br>al Virus  | USP <85> & EP 2.6.14 USP <71> & EP 2.6.1 USP <71> & EP 2.6.1 Barile and Kern 9CFR113.53c [113.46,113.47]  | Methodology   |
| Test and Report Test and Report Test and Report Test and Report <10 U/L Test and Report Test and Report | Normal<br>260-350mOsm/kg<br>6.5 – 8.5  | Not Detected                                      | <10.0 EU/mL <20.0 mg/dL No Growth No Growth Not Detected Not Detected Not Detected Not Detected   | Spacification |
| 1.9 g/dL<br>147 IU/L<br>5 IU/L<br>22 IU/L<br>6 IU/L<br>0.1 mg/dL<br>14 mg/dL                            | Normal<br>301 mOsm/kg<br>7.49  | Not Detected                                      | <1 EU/mL 5.28 mg/dL No Growth No Growth No Growth Not Detected Not Detected Not Detected  | Analysis      |



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| Test           | Methodology            | Specification   | Analysis     |
|----------------|------------------------|-----------------|--------------|
| Calcium        |                        | Test and Report | 11.9 mg/dL   |
| Chloride       |                        | Test and Report | 100 mmol/L   |
| Cholesterol    |                        | Test and Report | 29 mg/dL     |
| Cortisol       |                        | Test and Report | <0.20 µg/dL  |
| Creatinine     |                        | Test and Report | 0.0 mg/dL    |
| Glucose        |                        | Test and Report | 84 mg/dL     |
| lgG            |                        | <0.300 mg/mL*   | 0.380 mg/mL  |
| Insulin        |                        | Test and Report | <2.36 µIU/mL |
| iron, Serum    |                        | Test and Report | 172 µg/dL    |
| Phosphorus     |                        | Test and Report | 9.9 mg/dL    |
| Potassium      |                        | Test and Report | 12.0 mmol/L  |
| Progesterone   |                        | Test and Report | <0.1 ng/ml   |
| Protein, Total | USP <1057> & EP 2.5.33 | 2.5 - 6.0  g/dL | 3.3 g/dL     |
| Sodium         |                        | Test and Report | 135 mmol/L   |
| Testosterone   |                        | Test and Report | <0.01 ng/mL  |
| Т3             |                        | Test and Report | <10.0 ng/dL  |
| Т4             |                        | Test and Report | 4.0 µg/dL    |
| Triglycerides  |                        | Test and Report | 63 mg/dL     |
| Uric Acid      |                        | Test and Report | 0.0 mg/dL    |
|                |                        |                 |              |

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. upon freezing and/or thawing; this occurrence does not impact culture performance. \*Some geographic regions bovine serum is traceable by lot number, date and country of collection. Precipitates may develop in this product collected in countries recognized as being free of foot-and-mouth disease and rinderpest. The origin of all fetal Our fetal bovine serum meets all USDA requirements and has passed ante and post-mortem inspection. It is

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

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0 FE 8 2025 Date

Title

Associate