



## CERTIFICATE OF ANALYSIS

### ***Tetracycline Negative Fetal Bovine Serum***

**(Catalog Number 100-800)**

Lot Number: A425004

**Date of Manufacture:** Jul2023

**Product Expiry:** Jul2028

**Origin:** United States

**Storage Temperature:** ≤ -10°C

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

**Product Description:** Tetracycline Negative Fetal Bovine Serum is sterile-filtered through a 0.1 µm filter prior to freezing.

Test	Methodology	Specification	Analysis
<b>Biological Testing</b>			
Endotoxin	Limulus Amebocyte Lysate Gel Clot	<10.0 EU/mL	<0.06 EU/mL
Hemoglobin	Spectrophotometric	<20.0 mg/dL	7.1 mg/dL
<b>Microbiological Testing</b>			
Sterility	U.S.P Modified		
Bacteria		No Growth	No Growth
Fungi		No Growth	No Growth
Mycoplasma	Large Volume Barile Method 9CFR113.53c [113.46,113.47]	Not Detected	Not Detected
<b>Viral Testing</b>			
Cytopathic Agents		Not Detected	Not Detected
Hemadsorbing Agents		Not Detected	Not Detected
Extraneous Viruses (FAB)			
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
<b>Physical Testing</b>			
Electrophoretic Pattern		Normal	Normal
Osmolality	Vapor Pressure	260 – 350 mOsm/kg	302 mOsm/kg
pH @ RT		6.5 – 8.5	7.3
<b>Biochemistry Testing</b>			
Albumin		Test and Report	2.4 g/dL
Alkaline Phosphatase		Test and Report	233.0 U/L
ALT (SGPT)		Test and Report	7.0 U/L
AST (SGOT)		Test and Report	57 U/L
GGT		<10 U/L	0.0 U/L
Bilirubin, Total		Test and Report	0.20 mg/dL



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### *Tetracycline Negative Fetal Bovine Serum*

*(Catalog Number 100-800)*

Lot Number: A425004

Test	Methodology	Specification	Analysis
BUN		Test and Report	15.0 mg/dL
Calcium		Test and Report	13.4 mg/dL
Chloride		Test and Report	102.0 meq/L
Cholesterol		Test and Report	33.0 mg/dL
Cortisol		Test and Report	0.264 µg/dL
Creatinine		Test and Report	2.5 mg/dL
Glucose		Test and Report	91.0 mg/dL
IgG		<0.300 mg/mL*	0.420 mg/dL
Insulin		Test and Report	9.45 µU/mL
Iron, Serum		Test and Report	186.0 µg/dL
Phosphorus		Test and Report	10.5 mg/dL
Potassium		Test and Report	> 10.0 meq/L
Progesterone		Test and Report	<0.06 ng/mL
Protein, Total		2.5 – 6.0 g/dL	3.4 g/dL
Sodium		Test and Report	139.0 meq/L
Testosterone		Test and Report	0.01 ng/mL
T3		Test and Report	124 ng/dL
T4		Test and Report	11.0 µg/dL
Triglycerides		Test and Report	55.0 mg/dL
Tetracycline		<1 ng/mL	< 1.0 ng/mL
Uric Acid		Test and Report	2.4 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.

Alexandra Peña  
Name

14 APR 2025  
Date

QA Associate II  
Title