



CERTIFICATE OF ANALYSIS
Dialyzed Fetal Bovine Serum
(Catalog Number 100-108)

Lot Number: A425001

Date of Manufacture: Sep2023

Product Expiry: Sep2028

Origin: Mexico

Storage Temperature: ≤ -10°C

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

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

Test	Methodology	Specification	Analysis
Biological Testing			
Endotoxin	Limulus Amebocyte Lysate Gel Clot	<10.0 EU/mL	0.24 EU/mL
Hemoglobin	Spectrophotometric	<20.0 mg/dL	10.7 mg/dL
Microbiological Testing			
Sterility	U.S.P. Modified		
Bacteria		No Growth	No Growth
Fungi		No Growth	No Growth
Mycoplasma	Large Volume Barile Method	Not Detected	Not Detected
Viral Testing	9CFR113.53c [113.46,113.47]		
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
Physical Testing			
Electrophoretic Pattern		Normal	Normal
Osmolality	Vapor Pressure	260 – 350 mOsm/kg	299 mOsm/kg
pH @ RT		6.5 ~ 8.5	7.2
Biochemistry Testing			
Albumin		Test and Report	2.3 g/dL
Alkaline Phosphatase		Test and Report	204.0 U/L
ALT (SGPT)		Test and Report	7.0 U/L
AST (SGOT)		Test and Report	89 U/L
GGT		<10 U/L	5.0 U/L
Bilirubin, Total		Test and Report	< 0.10 mg/dL
BUN		Test and Report	< 5.0 mg/dL



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Calcium		Test and Report	2.5 mg/dL
Chloride		Test and Report	150.0 mEq/L
Cholesterol		Test and Report	35.0 mg/dL
Cortisol		Test and Report	0.791 µg/dL
Creatinine		Test and Report	< 0.1 mg/dL
Glucose		Test and Report	8.0 mg/dL
IgG		<0.300 mg/mL*	0.400 mg/mL
Insulin		Test and Report	6.29 µU/mL
Iron, Serum		Test and Report	167.0 µg/dL
Phosphorus		Test and Report	0.4 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	3.5 g/dL
Sodium		Test and Report	152.0 mEq/L
Testosterone		Test and Report	0.02 ng/mL
T3		Test and Report	166 ng/dL
T4		Test and Report	11.8 µg/dL
Triglycerides		Test and Report	< 10.0 mg/dL
Uric Acid		Test and Report	< 0.5 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.

Josselyn Salinas
Name
Quality Control Supervisor
Title

12MAR2025
Date