



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

Lot Number: A122055

Date of Manufacture: Sep2022

Product Expiry: Sep2027

Origin: Guatemala

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		<50.0 EU/mL	3.92 EU/mL
Hemoglobin		<40.0 mg/dL	6.23 mg/dL
Microbiological Testing			
Sterility			
Bacteria		No Growth	No Growth
Fungi		No Growth	No Growth
Mycoplasma		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)			
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		260 – 350 mOsm/kg	303 mOsm/kg
pH@RT		6.5 – 8.5	7.4
Biochemistry			
Albumin		Test and Report	2.7 g/dL
Alkaline Phosphatase		Test and Report	300 IU/L
ALT (SGPT)		Test and Report	6 IU/L
AST (SGOT)		Test and Report	35 IU/L
GGT		<10 U/L	5 IU/L



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Test	Methodology	Specification	Analysis
Bilirubin, Total		Test and Report	<0.1 mg/dL
BUN		Test and Report	17 mg/dL
Calcium		Test and Report	11.9 mg/dL
Chloride		Test and Report	100 mM
Cholesterol		Test and Report	31 mg/dL
Cortisol		Test and Report	0.24 µg/dL
Creatinine		Test and Report	2.5 mg/dL
Glucose		Test and Report	86 mg/dL
IgG		<0.300 mg/mL*	0.1653 mg/mL
Insulin		Test and Report	6.87 µU/mL
Iron, Serum		Test and Report	183 µg/dL
Phosphorus		Test and Report	10.4 mg/dL
Potassium		Test and Report	12.2 mM
Progesterone		Test and Report	<0.06 ng/mL
Protein, Total		2.5 – 6.0 g/dL	3.9 g/dL
Sodium		Test and Report	137 mM
Testosterone		Test and Report	0.01 ng/mL
T3		Test and Report	163 ng/dL
T4		Test and Report	12.1 µg/dL
Triglycerides		Test and Report	74 mg/dL
Tetracycline		<4 ng/mL	<1.0 ng/mL
Uric Acid		Test and Report	0.3 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.

Karen Zuniga
Name

QA Associate I
Title

31 OCT 2022
Date