



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

Lot Number: A62H02L

Date of Manufacture: JUL 2020

Origin: United States

Product Expiry: JUL 2025

For Cell culture, Further Manufacturing or Research
 use Only. Not for Direct Therapeutic Use.

Storage Temperature: ≤ -10°C

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	USP<85>, EP 2.6.14	<10.0 EU/mL	<0.1 EU/mL
Hemoglobin		<20.0 mg/dL	11.17 mg/dL
Microbiological Testing			
Sterility	USP<71>, EP 2.6.1		
Bacteria		No Growth	No Growth
Fungi		No Growth	No Growth
Mycoplasma		Not Detected	Not Detected
Viral Testing			
	9CFR 113.53c[113.46, 113.47]		
Cytopathic Agents		Not Detected	Not Detected
Hemadsorbing Agents		Not Detected	Not Detected
Bovine Viral Diarrhea Ab Titer			
Type I		Test and Report	No Neutralization
Type II		Test and Report	No Neutralization
Extraneous Viruses (FAb)			
Bluetongue Virus		Not Detected	Not Detected
Bovine Adenovirus		Not Detected	Not Detected
Bovine Parvovirus		Not Detected	Not Detected
Bovine Viral		Not Detected	Not Detected
Diarrhea(cytopathic)			
Bovine Viral		Test and Report	Not Detected
Diarrhea(non-cytopathic)			
Bovine Syncytial Virus		Not Detected	Not Detected
Bovine Rabies Virus		Not Detected	Not Detected
Reovirus		Not Detected	Not Detected
Physical Testing			
Electrophoretic Pattern	Cellulose Acetate	Normal	Normal
Osmolality	USP<785>, EP 2.2.35	260 – 350 mOsm/ kg	285 mOsm/kg
pH@RT	USP<791>	6.5 – 8.5	7.14



Test	Methodology	Specification	Analysis	
			Pre-Strip	Post-Strip
Biochemistry				
Albumin		Test and Report		1.9 g/dL
Alkaline Phosphatase		Test and Report		151 IU/L
ALT (SGPT)		Test and Report		4 IU/L
AST (SGOT)		Test and Report		24 IU/L
GGT		<10 U/L		4 IU/L
Bilirubin, Total		Test and Report		0.2 mg/dL
BUN		Test and Report		0 mg/dL
Calcium		Test and Report		1.9 mg/dL
Chloride		Test and Report		142 mmol/dL
Cholesterol		Test and Report		28 mg/dL
Cortisol		Test and Report		0.201 µg/dL
Creatinine		Test and Report		0.0 mg/dL
Estradiol		Test and Report		11.89 pg/mL
Glucose		Test and Report		<10 mg/dL
IgG	ELISA	<0.300 mg/mL*		61.6 µg/mL
Insulin		Test and Report		3.21 µIU/mL
Iron, Serum		Test and Report		171 µg/dL
Phosphorus		Test and Report		0.3 mg/dL
Potassium		Test and Report		<1.0 mmol/L
Progesterone		Test and Report		<0.1 ng/mL
Protein, Total	Biuret	2.5 – 6.0 g/dL		3.3 g/dL
Sodium		Test and Report		157 mmol/L
Testosterone		Test and Report		<0.01 ng/mL
T3		Test and Report		121 ng/mL
T4		Test and Report		14.0 µg/dL
Triglycerides		Test and Report		<10 mg/dL
Tetracycline		<4 ng/mL		<1.0 ng/mL
Uric Acid		Test and Report		0.1 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.

Drashni Babita kumar

QC Associate

Name

Title

14 DEC 2020

Date