



CERTIFICATE OF ANALYSIS

AbSolute™ Low IgG Fetal Bovine Serum

(Catalog Number 100-120)

Lot Number: A423000

Date of Manufacture: Mar2021

Product Expiry: Mar2026

Origin: United States

Storage Temperature: ≤ -10°C

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

Product Description: *AbSolute™ Low IgG 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	<1 EU/mL
Hemoglobin	Fleming, AF and Woolf,AJ (1965)	<20.0 mg/dL	8.48 mg/dL
Microbiological Testing			
Sterility	USP<71>, EP 2.6.1		
Bacteria		No Growth	No Growth
Fungi		No Growth	No Growth
Mycoplasma	Barile, MF and Kern, J (1971), EP 2.6.7	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	Cellulose Acetate	Normal	Normal
Osmolality	USP<785>,EP 2.2.35	260 – 350 mOsm/kg	318 mOsm/kg
pH	USP<791>	6.5 – 8.5	7.48
Biochemistry			
Albumin		Test and Report	1.9 g/dL
Alkaline Phosphatase		Test and Report	240 IU/L
ALT (SGPT)		Test and Report	6 IU/L



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(Catalog Number 100-120)

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Test	Methodology	Specification	Analysis
AST (SGOT)		Test and Report	60 IU/L
GGT		<10 U/L	5 IU/L
Bilirubin, Total		Test and Report	0.2 mg/dL
BUN		Test and Report	15 mg/dL
Calcium		Test and Report	12.9 mg/dL
Chloride		Test and Report	97 mmol/L
Cholesterol		Test and Report	29 mg/dL
Cortisol		Test and Report	<0.2 µg/dL
Creatinine		Test and Report	2.3 mg/dL
Glucose		Test and Report	107 mg/dL
IgG	ELISA	<0.070 mg/mL	0.0686 mg/mL
Insulin		Test and Report	5.41 uIU/mL
Iron, Serum		Test and Report	194 µg/mL
Phosphorus		Test and Report	10.6 mg/dL
Potassium		Test and Report	>10.0 mmol/L
Progesterone		Test and Report	<0.1ng/mL
Protein, Total	Biuret	2.5 – 6.0 g/dL	3.3 g/dL
Sodium		Test and Report	134 mmol/L
Testosterone		Test and Report	0.01 ng/mL
T3		Test and Report	155 ng/dL
T4		Test and Report	16.0 µg/dL
Triglycerides		Test and Report	86 mg/dL
Uric Acid		Test and Report	2.5 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.

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.

Jeorgueline Wilson
Name

23 MAR 2023
Date

QA Specialist
Title