



CERTIFICATE OF ANALYSIS

AbSolute™ Low IgG Fetal Bovine Serum **(Catalog Number 100-120)**

Lot Number: A426009

Date of Manufacture: Apr2024

Product Expiry: Apr2029

Origin: New Zealand

Storage Temperature: $\leq -10^{\circ}\text{C}$

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	<0.1 EU/mL
Hemoglobin	USP<90>	<20.0 mg/dL	5.28 mg/dL
Microbiological Testing			
Sterility	Broth Culture		
Bacteria		No Growth	No Growth
Fungi		No Growth	No Growth
Mycoplasma	Broth Culture	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 Electrophoresis	Normal	Normal
Osmolality	USP<785> & EP 2.2.35	260 – 350 mOsm/kg	308 mOsm/kg
pH	USP<791> & EP 2.2.3	6.5 – 8.5	7.66
Biochemistry Testing			
Albumin		Test and Report	1.7 g/dL
Alkaline Phosphatase		Test and Report	143 IU/L
ALT (SGPT)		Test and Report	5 IU/L
AST (SGOT)		Test and Report	19 IU/L
GGT	Chemistry Analyzer	<10 U/L	5 IU/L
Bilirubin, Total		Test and Report	0.1 mg/mL



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BUN		Test and Report	17 mg/dL
Calcium		Test and Report	13.3 mg/dL
Chloride		Test and Report	98 mmol/L
Cholesterol		Test and Report	28 mg/dL
Cortisol		Test and Report	0.25 µg/dL
Creatinine		Test and Report	2.37 mg/dL
Glucose		Test and Report	97 mg/dL
IgG	ELISA	<0.070 mg/mL	0.0674 mg/mL
Insulin		Test and Report	6.00 µIU/mL
Iron, Serum		Test and Report	231 µg/dL
Phosphorus		Test and Report	9.9 mg/dL
Potassium		Test and Report	11.1 mmol/L
Progesterone		Test and Report	<0.1 ng/mL
Protein, Total	USP<1057> & EP 2.5.33	2.5 – 6.0 g/dL	3.6 g/dL
Sodium		Test and Report	136 mmol/L
Testosterone		Test and Report	<0.01 ng/mL
T3		Test and Report	170.0 ng/dL
T4		Test and Report	10.5 µg/dL
Triglycerides		Test and Report	60 mg/dL
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.

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

04SEP2020

Date

QA Specialist

Title