CERTIFICATE OF ANALYSIS

Foundation™ B Fetal Bovine Serum

(Catalog Number 900-208)

Lot Number: A42H74L

Date of Manufacture: May2020

Origin: US

Product Expiry: May2025

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

Storage Temperature: ≤ -10°C

Product description: *Foundation™ B 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	Test and Report	<0.5 EU/mL
Hemoglobin		Test and Report	60.20 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	9CFR 113.53c[113.46, 113.47]		
Cytopathic Agents		Not Detected	Not Detected
Hemadsorbing Agents		Non-Reactive	Not Detected
Bovine Viral Diarrhea Ab Titer			
Type I		Test and Report	Pending
Type II		Test and Report	Pending
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	Pending
Bovine Viral Diarrhea(non-cytopathic)		Test and Report	Tested
Bovine Syncytial Virus		Not Detected	Not Detected
Bovine Rabies Virus		Not Detected	Not Detected
Reovirus		Not Detected	Not Detected

Test	Methodology	Specification	Analysis
Physical Testing			
Electrophoretic Pattern	Cellulose Acetate	Normal	Normal
Osmolality	USP<785>, EP 2.2.35	260 – 350 mOsm/ kg	316.0 mOsm/kg
pH@RT	USP<791>	6.5 – 8.5	7.47
Biochemistry			
Albumin		Test and Report	2.03 g/dL
Alkaline Phosphatase		Test and Report	222 IU/L
ALT (SGPT)		Test and Report	26 IU/L
AST (SGOT)		Test and Report	158 IU/L
GGT		<10 U/L	1 IU/L
Bilirubin, Total		Test and Report	0.20 mg/dL
BUN		Test and Report	15 mg/dL
Calcium		Test and Report	13.7 mg/dL
Chloride		Test and Report	93 mEq/L
Cholesterol		Test and Report	31 mg/dL
Cortisol		Test and Report	Pending
Creatinine		Test and Report	2.6 mg/dL
Estradiol		Test and Report	Pending
Glucose		Test and Report	178 mg/dL
IgG	ELISA	<0.300 mg/mL*	0.204 mg/mL
Insulin		Test and Report	Pending
Iron, Serum		Test and Report	180 µg/dL
Phosphorus		Test and Report	11.3 mg/dL
Potassium		Test and Report	17.4 mEq/L
Progesterone		Test and Report	Pending
Protein, Total	Biuret	2.5 – 6.0 g/dL	3.60 g/dL
Sodium		Test and Report	131 mEq/L
Testosterone		Test and Report	Pending
T3		Test and Report	Pending
T4		Test and Report	Pending
Triglycerides		Test and Report	100 mg/dL
Tetracycline		<4 ng/mL	Pending
Uric Acid		Test and Report	3.2 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.

Megha Khalegi
Name

QA Associate III
Title

21 Aug 2020
Date