

Fetal Bovine Serum –Triple 0.1 µm Sterile Filtered, US origin

Product number: FBS-BBT-XXX Lot Number: 20131124FS
 Date of Manufacture: 11/2013 Expiration date: 11/2018
 Storage temperature: -5 to -20°C

Not for human or animal consumption

Basis for Release

Chemical Analysis				Microbiological Analysis			
Test	Method	Specification	Result	Test	Method	Specification	Result
Total Protein	Chemistry Analyzer	≤ 45 g/L	38 g/L	Sterility	9CFR 113.26	No growth	No growth
Albumin	Chemistry Analyzer	≤ 25.0 g/L	8.0 g/L	Mycoplasma	9CFR 113.28	Not Detected	Not Detected
Globulin	Chemistry Analyzer	As reported	3.0 g/dL	Endotoxin	KCA	< 10.0 EU/mL	< 1 EU/mL
Bilirubin	Chemistry Analyzer	As reported	0.4 mg/dL	Viral Analysis			
ALT	Chemistry Analyzer	As reported	8 U/L	Test	Method	Specification	Result
AST	Chemistry Analyzer	As reported	58 U/L	BVD Cytopathic	9CFR 113.53	Not Detected	Not Detected
Cholesterol	Chemistry Analyzer	As reported	< 50 mg/dL	BVD Non- Cytopathic	9CFR 113.53	Tested	Tested
Glucose	Chemistry Analyzer	As reported	106 mg/dL	PI3	9CFR 113.53	Not Detected	Not Detected
Urea	Chemistry Analyzer	As reported	14 mg/dL	IBR	9CFR 113.53	Not Detected	Not Detected
Creatinine	Chemistry Analyzer	As reported	2.8 mg/dL	Bovine Adeno 3	9CFR 113.53	Not Detected	Not Detected
Sodium	Chemistry Analyzer	As reported	137.0 mmol/L	Bovine Adeno 5	9CFR 113.53	Not Detected	Not Detected
Potassium	Chemistry Analyzer	As reported	10.0 mmol/L	BRSV	9CFR 113.53	Not Detected	Not Detected
Calcium	Chemistry Analyzer	As reported	13.7 mg/dL	REO Virus	9CFR 113.53	Not Detected	Not Detected
Phosphorus	Chemistry Analyzer	As reported	9.4 mg/dL	Rabies	9CFR 113.53	Not Detected	Not Detected
Osmolality	Osmometer	As reported	304 mOsm/kg	Blue Tongue	9CFR 113.53	Not Detected	Not Detected
Hemoglobin	CTQC12	≤ 25.0 mg/dL	16.8 mg/dL	Identity Analysis			
pH	pH meter	6.80 – 8.20	7.75	Test	Method	Specification	Result
IgG	ELISA	As reported	91 ug/mL	Serum Identity	Electrophoresis	Characteristic	Characteristic
				Appearance	Visual	Clear yellow-amber	Clear amber

STATEMENT OF ORIGIN

This serum has been derived from blood aseptically collected in approved abattoirs in the United States of America. The serum was aseptically processed and filter sterilized in the US. The country of origin of the crude blood (donor cow origin) is the United States.

Approval

Quality Assurance – Print Name: <i>Emily Villegas</i>	Quality Assurance – Sign Name: 	Date: <i>01/07/2014</i>
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Certificate of Origin

Product: Fetal Bovine Serum

Lot Number: 20131124FS

Origin: United States

This is to certify that the raw fetal bovine serum lots that were used in the manufacture of Fetal Bovine Serum, RMBIO Lot Number 20131124FS, were collected in the contiguous 48 United States at an USDA approve abattoir. Dams of the fetuses where inspected ante and post mortem and found to be free of contagious disease.

A handwritten signature in blue ink, appearing to be "Mary V. [unclear]", is written over a horizontal line. The signature is cursive and somewhat stylized.

Quality Assurance

01/07/2014
Date