

Fetal Bovine Serum- Triple 0.1 µm Filtered, US Origin

Product Number: FBS-BBT-5XM
FBS-BBT-1XM
FBS-BBT-SMP
FBS-BBT-CSP

Lot Number: 20160804FS
Date of Manufacture: 08/2016
Expiration Date: 08/2021
Storage Temperature: ≤ -10 °C



BASIS FOR RELEASE

NOT FOR HUMAN OR ANIMAL CONSUMPTION

CHEMICAL ANALYSIS			
Test	Method	Specification	Result
Albumin	Chemistry Analyzer	≤ 4.5 g/dL	2.1 g/dL
ALT	Chemistry Analyzer	As Reported	12 U/L
AST	Chemistry Analyzer	As Reported	94 U/L
Bilirubin	Chemistry Analyzer	As Reported	0.4 mg/dL
Calcium	Chemistry Analyzer	As Reported	14 mg/dL
Chloride	Chemistry Analyzer	As Reported	99 mEq/L
Cholesterol	Chemistry Analyzer	As Reported	< 50 mg/dL
Creatinine	Chemistry Analyzer	As Reported	2.9 mg/dL
Globulin	Chemistry Analyzer	As Reported	1.6 g/dL
Glucose	Chemistry Analyzer	As Reported	108 mg/dL
Hemoglobin	USP < 90 >	< 30 mg/dL	12.4 mg/dL
IgG	ELISA	As Reported	70.9 µg/mL
Iron	Chemistry Analyzer	As Reported	175 µg/dL
Osmolality	Osmometer	280-360 mOsm/kg	304 mOsm/kg
pH	pH Meter	6.5 - 8.5	7.6
Phosphorus	Chemistry Analyzer	As Reported	10.5 mg/dL
Potassium	Chemistry Analyzer	As Reported	11.6 mEq/L
Sodium	Chemistry Analyzer	As Reported	136 mEq/L
Total Protein	Chemistry Analyzer	3.0 - 4.5 g/dL	3.7 g/dL
Urea	Chemistry Analyzer	As Reported	15 mg/dL

MICROBIOLOGICAL ANALYSIS			
Test	Method	Specification	Result
Endotoxin	LAL	≤ 10.0 EU/mL	< 0.3 EU/mL
Mycoplasma	9CFR 113.28	Not Detected	Not Detected
Sterility	9CFR 113.26	No Growth	No Growth

VIRAL ANALYSIS			
Test	Method	Specification	Result
Blue Tongue	9CFR 113.53	Not Detected	Not Detected
Bovine Adeno 1	9CFR 113.53	Not Detected	Not Detected
Bovine Adeno 5	9CFR 113.53	Not Detected	Not Detected
BPV	9CFR 113.53	Not Detected	Not Detected
BRSV	9CFR 113.53	Not Detected	Not Detected
BVD Cytopathic	9CFR 113.53	Not Detected	Not Detected
BVD Non-Cytopathic	9CFR 113.53	Tested	Tested
Cytopathic (IBR)	9CFR 113.53	Not Detected	Not Detected
Hemadsorbing (PI3)	9CFR 113.53	Not Detected	Not Detected
Rabies	9CFR 113.53	Not Detected	Not Detected
REO Virus	9CFR 113.53	Not Detected	Not Detected

IDENTITY ANALYSIS			
Test	Method	Specification	Result
Appearance	Visual	Clear Yellow-Amber	Pass
Serum Identity	Electrophoresis	Characteristic	Characteristic



Rocky Mountain Biologicals, Inc

Certificate of Analysis

Fetal Bovine Serum- Triple 0.1 µm Filtered, US Origin

Product Number: **FBS-BBT-5XM**
FBS-BBT-1XM
FBS-BBT-SMP
FBS-BBT-CSP

Lot Number: **20160804FS**
Date of Manufacture: **08/2016**
Expiration Date: **08/2021**
Storage Temperature: **≤ -10 ° C**



ADDITIONAL LOT INFORMATION

NOT FOR HUMAN OR ANIMAL CONSUMPTION

Additional Testing

GROWTH PROMOTION/CYTOTOXICITY			CUSTOMER SPECIFIC		
Test	Specification	Result	Test	Specification	Result
CHO	As Reported	93.1 %	Not Requested		
CHO Cell Cytotoxicity	As Reported	2.6 %	Not Requested		
Vero	As Reported	89.1 %	Not Requested		
Vero Cell Cytotoxicity	As Reported	4.7 %	Not Requested		

STATEMENT OF ORIGIN

Raw serum used in the manufacture of this product was obtained from approved suppliers collecting from abattoirs in the United States from traceable animals originating from the United States. Full health, traceability, and required regulatory documentation are maintained under RMBIO's quality systems. The serum was processed, filtered, and finished in the United States.

BSE/TSE STATEMENT

The United States of America is recognized as having negligible BSE/TSE risk by the World Organization for Animal Health (OIE).

ISIA CERTIFICATE TRACEABILITY

All raw serum is certified by the International Serum Industry Association (ISIA) to be sourced in accordance with their strict guidelines. (www.serumindustry.org).

Approval

Quality Assurance- Print Name: Terri Sorensen	Quality Assurance- Sign Name: 	Date: 12 Sep 2016
---	---------------------------------------	--------------------------