

## Fetal Bovine Serum- Triple 0.1 µm Filtered, USDA Origin

**Product Number:** FBS-CBT-5XM  
FBS-CBT-01L  
FBS-CBT-SMP  
FBS-CBT-CSP

**Lot Number:** 20161005FS  
**Date of Manufacture:** 10/2016  
**Expiration Date:** 10/2021  
**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	2.2 g/dL
ALT	Chemistry Analyzer	As Reported	14 U/L
AST	Chemistry Analyzer	As Reported	88 U/L
Bilirubin	Chemistry Analyzer	As Reported	0.6 mg/dL
Calcium	Chemistry Analyzer	As Reported	12.7 mg/dL
Chloride	Chemistry Analyzer	As Reported	98 mEq/L
Cholesterol	Chemistry Analyzer	As Reported	< 50 mg/dL
Creatinine	Chemistry Analyzer	As Reported	2.6 mg/dL
Globulin	Chemistry Analyzer	As Reported	1.8 g/dL
Glucose	Chemistry Analyzer	As Reported	107 mg/dL
Hemoglobin	USP < 90 >	< 30 mg/dL	21 mg/dL
IgG	ELISA	As Reported	337.6 µg/mL
Iron	Chemistry Analyzer	As Reported	156 µg/dL
Osmolality	Osmometer	280-360 mOsm/kg	301 mOsm/kg
pH	pH Meter	6.5 - 8.5	7.7
Phosphorus	Chemistry Analyzer	As Reported	8.8 mg/dL
Potassium	Chemistry Analyzer	As Reported	10.1 mEq/L
Sodium	Chemistry Analyzer	As Reported	135 mEq/L
Total Protein	Chemistry Analyzer	3.0 - 4.5 g/dL	4 g/dL
Urea	Chemistry Analyzer	As Reported	13 mg/dL

MICROBIOLOGICAL ANALYSIS			
Test	Method	Specification	Result
Endotoxin	LAL	≤ 10.0 EU/mL	0.6 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	Not Detected
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.**

6015 Greg's Way | Missoula, MT 59808 | USA  
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www.rmbio.com

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ADDITIONAL LOT INFORMATION

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### Additional Testing

GROWTH PROMOTION/CYTOTOXICITY			CUSTOMER SPECIFIC		
Test	Specification	Result	Test	Specification	Result
CHO	As Reported	Not Requested	Not Requested		
CHO Cell Cytotoxicity	As Reported	Not Requested	Not Requested		
Vero	As Reported	Not Requested	Not Requested		
Vero Cell Cytotoxicity	As Reported	Not Requested	Not Requested		


#### STATEMENT OF ORIGIN

Raw serum used in the manufacture of this product was obtained from approved suppliers, per USDA regulatory procedures. The material was imported and is subject to safety testing by NVSL prior to release for distribution within the US. 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.

#### 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](http://www.serumindustry.org)).

#### Approval

Quality Assurance- Print Name:  <b>Terri Sorensen</b>	Quality Assurance- Sign Name:  	Date:  11 Nov 2016
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