

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

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

**Lot Number:** 20160302FS  
**Date of Manufacture:** 03/2016  
**Expiration Date:** 03/2021  
**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 g/dL
ALT	Chemistry Analyzer	As Reported	12 U/L
AST	Chemistry Analyzer	As Reported	100 U/L
Bilirubin	Chemistry Analyzer	As Reported	0.5 mg/dL
Calcium	Chemistry Analyzer	As Reported	13.5 mg/dL
Chloride	Chemistry Analyzer	As Reported	101 mEq/L
Cholesterol	Chemistry Analyzer	As Reported	< 50 mg/dL
Creatinine	Chemistry Analyzer	As Reported	2.2 mg/dL
Globulin	Chemistry Analyzer	As Reported	1.7 g/dL
Glucose	Chemistry Analyzer	As Reported	84 mg/dL
Hemoglobin	Spectro. Assay	≤ 25.0 mg/dL	17.7 mg/dL
IgG	ELISA	As Reported	54 µg/mL
Osmolality	Osmometer	280-360 mOsm/kg	312 mOsm/kg
pH	pH Meter	6.5 - 8.5	7.4
Phosphorus	Chemistry Analyzer	As Reported	9.1 mg/dL
Potassium	Chemistry Analyzer	As Reported	11.6 mEq/L
Sodium	Chemistry Analyzer	As Reported	126 mEq/L
Total Protein	Chemistry Analyzer	3.0 - 4.5 g/dL	3.7 g/dL

MICROBIOLOGICAL ANALYSIS			
Test	Method	Specification	Result
Endotoxin	LAL	≤ 10.0 EU/mL	1.0 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 3	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	Clear Yellow-Amber
Serum Identity	Electrophoresis	Characteristic	Characteristic

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ADDITIONAL LOT INFORMATION

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### Additional Testing

GROWTH PROMOTION/CYTOTOXICITY			CUSTOMER SPECIFIC			
Test	Specification	Result	Test	Method	Specification	Result
CHO	As Reported	91.4%	Not Requested			
CHO Cell Cytotoxicity	As Reported	0.92%	Not Requested			
Vero	As Reported	102%	Not Requested			
Vero Cell Cytotoxicity	As Reported	2.60%	Not Requested			
MRC-5	As Reported	104.4%	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).

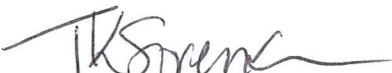
#### ISIA Certificate Traceability

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

#### EUROPEAN UNION ELIGIBILITY

Product meets European Union Requirements of Technical Blood Products.

#### Approval

Quality Assurance- Print Name:  <b>Terri Sorensen</b>	Quality Assurance- Sign Name:  	Date:  07/14/16
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