

Adult Bovine Serum - 0.2 µm Filtered, US Origin

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

Lot Number: **20161121BS**
 Date of Manufacture: **11/2016**
 Expiration Date: **11/2021**
 Storage Temperature: **≤ -10 °C**



BASIS FOR RELEASE

NOT FOR HUMAN OR ANIMAL CONSUMPTION

CHEMICAL ANALYSIS			
Test	Method	Specification	Result
Albumin	Chemistry Analyzer	As Reported	3.6 g/dL
ALT	Chemistry Analyzer	As Reported	36 U/L
AST	Chemistry Analyzer	As Reported	122 U/L
Bilirubin	Chemistry Analyzer	As Reported	0.2 mg/dL
Calcium	Chemistry Analyzer	As Reported	8.4 mg/dL
Chloride	Chemistry Analyzer	As Reported	103 mEq/L
Cholesterol	Chemistry Analyzer	As Reported	158 mg/dL
Creatinine	Chemistry Analyzer	As Reported	1.6 mg/dL
Globulin	Chemistry Analyzer	As Reported	4.3 g/dL
Glucose	Chemistry Analyzer	As Reported	192 mg/dL
Hemoglobin	USP < 90 >	< 30 mg/dL	25.6 mg/dL
Iron	Chemistry Analyzer	As Reported	58 µg/dL
Osmolality	Osmometer	240 - 340 mOsm/kg	320 mOsm/kg
pH	pH Meter	6.5 - 8.5	7.7
Phosphorus	Chemistry Analyzer	As Reported	7.2 mg/dL
Potassium	Chemistry Analyzer	As Reported	7 mEq/L
Sodium	Chemistry Analyzer	As Reported	141 mEq/L
Total Protein	Chemistry Analyzer	6.0 - 10.0 g/dL	7.9 g/dL
Urea	Chemistry Analyzer	As Reported	15 mg/dL

MICROBIOLOGICAL ANALYSIS			
Test	Method	Specification	Result
Endotoxin	LAL	< 100 EU/mL	44.4 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 Amber Solution	Pass

Certificate of Analysis

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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	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 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).

EUROPEAN UNION ELIGIBILITY

Product meets European Union requirements for production of technical blood products.

Approval

Quality Assurance- Print Name	Quality Assurance- Sign Name:	Date:
Terri Sorensen	<i>TSorensen</i>	<i>03Apr 2017</i>