

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: 20170420FS
 Date of Manufacture: 04/2017
 Expiration Date: 04/2022
 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	91 U/L
Bilirubin	Chemistry Analyzer	As Reported	0.6 mg/dL
Calcium	Chemistry Analyzer	As Reported	11.7 mg/dL
Chloride	Chemistry Analyzer	As Reported	96 mEq/L
Cholesterol	Chemistry Analyzer	As Reported	< 50 mg/dL
Creatinine	Chemistry Analyzer	As Reported	2.1 mg/dL
Globulin	Chemistry Analyzer	As Reported	1.6 g/dL
Glucose	Chemistry Analyzer	As Reported	138 mg/dL
Hemoglobin	USP < 90 >	< 30 mg/dL	23.9 mg/dL
IgG	ELISA	As Reported	524 µg/mL
Iron	Chemistry Analyzer	As Reported	128 µg/dL
Osmolality	Osmometer	280-360 mOsm/kg	283 mOsm/kg
pH	pH Meter	6.5 - 8.5	7.8
Phosphorus	Chemistry Analyzer	As Reported	7.8 mg/dL
Potassium	Chemistry Analyzer	As Reported	9.5 mEq/L
Sodium	Chemistry Analyzer	As Reported	131 mEq/L
Total Protein	Chemistry Analyzer	3.0 - 4.5 g/dL	3.7 g/dL
Urea	Chemistry Analyzer	As Reported	12 mg/dL

MICROBIOLOGICAL ANALYSIS			
Test	Method	Specification	Result
Endotoxin	LAL	≤ 10.0 EU/mL	< 0.5 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

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: 20170420FS
Date of Manufacture: 04/2017
Expiration Date: 04/2022
Storage Temperature: ≤ -10 ° C



ADDITIONAL LOT INFORMATION

NOT FOR HUMAN OR ANIMAL CONSUMPTION

Additional Testing

GROWTH PROMOTION/CYTOTOXICITY		
Test	Specification	Result
CHO	As Reported	86.2 %
CHO Cell Cytotoxicity	As Reported	2.8 %
Vero	As Reported	125.9 %
Vero Cell Cytotoxicity	As Reported	1.8 %

CUSTOMER SPECIFIC		
Test	Specification	Result
Not Requested		
Not Requested		
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 RM BIO'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).

Approval

Quality Assurance- Print Name:	Quality Assurance- Sign Name:	Date:
Terri Sorensen	<i>TK Sorensen</i>	<i>07 Jun 2017</i>