

Product:	Fetal Bovine Serum	Description:	Regular, USDA Approved Origin
Catalog Number:	35-010-CF, 35-010-CV	Lot Number:	25920001
Date of Manufacture:	16 SEP 2020	Date of Expiration:	SEP 2025
Country of Raw Material Origin:	Guatemala	Country of Final Processing:	United States
Sterility Assurance Level:	10 ⁻³ (Triple 0.1 µm Filtered)	Storage:	-40°C to -10°C

Test	Method	Specification	Results	Units
Endotoxin	USP <85> & EP 2.6.14	≤ 20	<1	EU/mL
Hemoglobin	USP <90>	≤ 30	8.97	mg/dL
Mycoplasma	Barile and Kern & Hoechst Fluorochrome Stain	Not Detected	Not Detected	N/A
Osmolality	USP <785> & EP 2.2.35	260 – 350	315	mOsm/kg H ₂ O
pH	USP <791> & EP 2.2.3	6.5 – 8.5	7.21	N/A
Sterility (Bacteria & Fungi)	USP <71> & EP 2.6.1	No Growth	No Growth	N/A
Total Protein	USP <1057> & EP 2.5.33	3.0 – 4.5	3.7	g/dL
Gamma-Glutamyl Transferase (GGT)	Chemistry Analyzer	≤10	6	IU/L
Cell Growth Performance Testing	MTT Assay	Passed	Passed	N/A
Identification (Species ID)	EP 2.7.1	Bovine	Bovine	N/A
Virus Testing	9 CFR Part 113.53c			
Bluetongue Virus		Not Detected	Not Detected	N/A
Bovine Adenovirus 1 & 5		Not Detected	Not Detected	N/A
Bovine Parvovirus		Not Detected	Not Detected	N/A
Bovine Respiratory Syncytial Virus		Not Detected	Not Detected	N/A
Bovine Viral Diarrhea Virus		As Reported	Detected	N/A
Rabies Virus		Not Detected	Not Detected	N/A
Reovirus		Not Detected	Not Detected	N/A
Cytopathogenic Agents (IBR)		Not Detected	Not Detected	N/A
Hemadsorbing Agents (PI3)		Not Detected	Not Detected	N/A
Biochemical Testing - Proteins & Organic Compounds				
Alkaline Phosphatase		As Reported	309	IU/L
Blood Urea Nitrogen (BUN)		As Reported	19	mg/dL
Cholesterol		As Reported	33	mg/dL
Creatinine		As Reported	2.9	mg/dL
Glucose		As Reported	81	mg/dL
Glutamic Oxaloacetic Transaminase (AST)		As Reported	26	IU/L
Glutamic Pyruvic Transaminase (ALT)		As Reported	5	IU/L
High Density Lipoprotein Cholesterol (HDL)		As Reported	10	mg/dL
Immunoglobulin G (IgG)	ELISA	As Reported	40.7	µg/mL
Low Density Lipoprotein Cholesterol (LDL)		As Reported	9	mg/dL
Total Bilirubin		As Reported	0.2	mg/dL
Triglyceride		As Reported	70	mg/dL
Uric Acid		As Reported	2.6	mg/dL
Biochemical Testing - Electrophoretic Profile	Cellulose Acetate Electrophoresis	Normal	Normal	N/A
Albumin		As Reported	2.1	g/dL

Alpha	As Reported	1.3	g/dL
Beta	As Reported	0.2	g/dL
Gamma	As Reported	0.0	g/dL
Biochemical Testing - Trace Metals			
Calcium	As Reported	13.6	mg/dL
Chloride	As Reported	98	mmol/L
Iron	As Reported	161	µg/dL
Magnesium	As Reported	3.0	mg/dL
Phosphorus	As Reported	8.9	mg/dL
Potassium	As Reported	>10.0	mmol/L
Sodium	As Reported	138	mmol/L
Biochemical Testing - Hormones			
Cortisol	As Reported	0.277	µg/dL
Insulin	As Reported	7.42	µIU/mL
Progesterone	As Reported	<0.1	ng/mL
Testosterone	As Reported	<0.01	ng/mL
T3	As Reported	71.8	ng/dL
T4	As Reported	18.0	µg/dL

Notes:

For additional information on this Mediatech product, please contact our Technical Services department at (800) 492-1110 or via email at scientificsupport@corning.com.

This product was tested in accordance with Mediatech, Inc. specifications and procedures current as of date of manufacture. Testing procedures are maintained in compliance with the current versions of the USP and/or EP, where applicable.

Cell lines used in MTT Assay: 3T3, L929, MDCK, and Vero. Cell lines used in 9CFR Part 113.53c virus testing MDBK and Vero.

For research or further manufacturing uses only. Not for use as an excipient. Not for therapeutic or diagnostic uses. Not for human or animal consumption. Utilization of this product apart from the labeled intended use may be a violation of local and/or Federal Law.

The following signatures indicate the above material has met all quality specifications and has been reviewed by a Quality representative.

Written By/Date: Michael Murray 29 OCT 2020 Reviewed By/Date: Sarah Fogarty 29OCT2020

