

Product:	Fetal Bovine Serum	Description:	Heat Inactivated Regular, South American Origin
Catalog Number:	35-089-CF, 35-089-CV	Lot Number:	18220002
Date of Heat Inactivation:	30 JUL 2020	Heat Inactivation Type:	Individual Bottle Inactivation
Testing Performed on:	Product Prior to Heat Inactivation	Heat Inactivation Temperature:	56°C (±2°C) for 30 minutes

Parent Catalog Number:	35-079	Parent Lot Number:	11120002
Date of Manufacture:	05 MAY 2020	Date of Expiration:	MAY 2025
Country of Raw Material Origin:	Brazil	Country of Final Processing:	United Kingdom
Sterility Assurance Level:	Triple 0.1 µm Filtered	Storage:	-40°C to -10°C

Test	Method	Specification	Results	Units
Endotoxin	USP <85> & EP 2.6.14	≤ 20	<0.4	EU/mL
Hemoglobin	Spectrophotometric	≤ 30	17.33	mg/dL
Mycoplasma		Not Detected	Not Detected	N/A
Osmolality	Freezing point depression	260 – 350	315	mOsm/kg H ₂ O
pH	pH Meter	6.5 – 8.5	7.40	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	3.93	g/dL
Gamma-Glutamyl Transferase (GGT)		≤10	4.4	IU/L
Cell Growth Performance Testing		Passed	Passed	N/A
Biochemical Testing - Proteins & Organic Compounds				
Alkaline Phosphatase		As Reported	292	IU/L
Cholesterol		As Reported	23.2	mg/dL
Creatinine		As Reported	3.5	mg/dL
Glucose		As Reported	50.4	mg/dL
Glutamic Oxaloacetic Transaminase (AST)		As Reported	30.4	IU/L
Immunoglobulin G (IgG)	ELISA	As Reported	161.0	µg/mL
Total Bilirubin		As Reported	0.1	mg/dL
Triglyceride		As Reported	54.0	mg/dL
Uric Acid		As Reported	38.4	mg/dL
Biochemical Testing - Electrophoretic Profile				
Albumin		As Reported	1.83	g/dL
Alpha		As Reported	1.47	g/dL
Beta		As Reported	0.57	g/dL
Gamma		As Reported	0.06	g/dL
Biochemical Testing - Trace Metals				
Calcium		As Reported	14.0	mg/dL

Magnesium	As Reported	3.2	mg/dL
Phosphorus	As Reported	8.7	mg/dL
Potassium	As Reported	11.4	mmol/L
Sodium	As Reported	136	mmol/L

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 Cell Growth Performance Testing: MRC-5, L-929, C2C12, LLC-PK1, Vero, MDCK and Sp20-Ag14.

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.

Origin and BSE/TSE Statements:

The aforementioned lot was manufactured from fetal bovine blood collected from government approved harvest facilities located in Brazil, a country recognized by the United States Department of Agriculture - Animal and Plant Health Inspection Service (USDA-APHIS) and the World Organization for Animal Health (OIE) as having a negligible risk of Bovine Spongiform Encephalopathy (BSE), a bovine-specific Transmissible Spongiform Encephalopathy (TSE). All fetal bovine serum is derived from fetuses collected from healthy bovine cows and heifers that have passed ante and post mortem inspection and were found free of contagious diseases. This material was exported from Brazil accompanied by a Veterinary Health certificate. Once inside the European Union, the material was inspected at the Boarder Inspection Post and released by the issuance of a Community Veterinary Entry Document ensuring that the collection facility and the importer are both cleared as suitable exporters and importers within the EU Traceability system.

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

Written By/Date: *J. Her* 10 SEP 2020

Reviewed By/Date: *Dorale Fogarty* 10 SEP 2020

