

Product:	Fetal Bovine Serum	Description:	Premium, Australian Origin
Catalog Number:	35-176-CV	Lot Number:	24924001
Date of Manufacture:	SEP 2024	Date of Expiration:	SEP 2029
Country of Raw Material Origin:	Australia	Country of Final Processing:	Australia
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	≤ 5.0	<0.5	EU/mL
Hemoglobin	USP <90>	≤ 25	12.6	mg/dL
Mycoplasma	Barile and Kern & Hoechst Fluorochrome Stain	Not Detected	Not Detected	N/A
Osmolality	USP <785> & EP 2.2.35	280 – 360	308	mOsm/kg H ₂ O
pH	USP <791> & EP 2.2.3	7.0 – 8.0	7.35	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	3.6	g/dL
Gamma-Glutamyl Transferase (GGT)	Chemistry Analyzer	≤ 10	5	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				
Bluetongue Virus	9 CFR Part 113.53c	Not Detected	Not Detected	N/A
Bovine Adenovirus 3 & 5	9 CFR Part 113.53c	Not Detected	Not Detected	N/A
Bovine Parvovirus	9 CFR Part 113.53c	Not Detected	Not Detected	N/A
Bovine Respiratory Syncytial Virus	9 CFR Part 113.53c	Not Detected	Not Detected	N/A
Bovine Viral Diarrhea Virus	9 CFR Part 113.53c	Not Detected	Not Detected	N/A
Rabies Virus	9 CFR Part 113.53c	Not Detected	Not Detected	N/A
Reovirus	9 CFR Part 113.53c	Not Detected	Not Detected	N/A
Cytopathogenic Agents (IBR)	9 CFR Part 113.53c	Not Detected	Not Detected	N/A
Hemadsorbing Agents (PI3)	9 CFR Part 113.53c	Not Detected	Not Detected	N/A
Bovine Leukemia Virus	rt-PCR	Not Detected	Not Detected	N/A
Biochemical Testing - Proteins & Organic Compounds				
Alkaline Phosphatase		As Reported	234	IU/L
Blood Urea Nitrogen (BUN)		As Reported	15	mg/dL
Cholesterol		As Reported	30	mg/dL
Creatinine		As Reported	3.1	mg/dL
Glucose		As Reported	98	mg/dL
Glutamic Oxaloacetic Transaminase (AST)		As Reported	40	IU/L
Glutamic Pyruvic Transaminase (ALT)		As Reported	5	IU/L
Immunoglobulin G (IgG)	ELISA	As Reported	<121	µg/mL
Total Bilirubin		As Reported	0.3	mg/dL
Triglyceride		As Reported	67	mg/dL
Uric Acid		As Reported	2.2	mg/dL
Biochemical Testing - Electrophoretic Profile				
	Cellulose Acetate Electrophoresis	Normal	Normal	N/A
Albumin		As Reported	2.2	g/dL
Alpha 1, 2		As Reported	1.2	g/dL

Beta	As Reported	0.2	g/dL
Gamma	As Reported	0	g/dL
Biochemical Testing - Trace Metals			
Calcium	As Reported	13.9	mg/dL
Chloride	As Reported	101	mmol/L
Iron	As Reported	217	µg/dL
Magnesium	As Reported	3.1	mg/dL
Phosphorus	As Reported	10.3	mg/dL
Potassium	As Reported	12.4	mmol/L
Sodium	As Reported	142	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 MTT Assay: 3T3, L929, MDCK, and Vero. Cell lines used in 9CFR Part 113.53c virus testing: FBLP 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.

Origin and BSE/TSE Statements:

The aforementioned lot was manufactured from fetal bovine blood collected from government approved harvest facilities located in Australia, a country recognized by the United States Department of Agriculture - Animal and Plant Health Inspection Service (USDA-APHIS) and the World Organisation for Animal Health (WOAH) 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.

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

Written By/Date: *La Her* 25-Feb-2025

Signed by: *La Her*

Signer Name: La Her
Signing Reason: I have reviewed this document
Signing Time: 25-Feb-2025 | 1:21:30 PM EST
B4EFF4CB53B04B75975F5AF91FB7EC70

Reviewed By/Date: *Michael Maurer* 25-Feb-2025

Signed by: *Michael Maurer*

Signer Name: Michael Maurer
Signing Reason: I have reviewed this document
Signing Time: 25-Feb-2025 | 1:34:08 PM EST
9A1EF61BE6504C608AE6D4D3789C54FF

