

Certificate of Analysis

Product:	Fetal Bovine Serum	Description:	Premium, United States Origin Tetracycline Negative
Catalog Number:	35-075-CV	Lot Number:	35075108
Date of Manufacture:	28 FEB 2018	Date of Expiration:	28 FEB 2023
Country of Raw Material Origin:	United States	Country of Final Processing:	United States
Triple 0.1 µm Filtered:	Sterility Assurance Level: 10 ⁻³	Storage:	-25°C to -15°C

Test	Method	Specification	Results	Units
Sterility (Bacteria & Fungi)	USP <71>	No Growth	No Growth	N/A
Endotoxin	EP 2.6.1	No Growth	No Growth	N/A
Mycoplasma	USP <85>	≤ 5	< 0.1	EU/mL
pH	Barile and Kern	Not Detected	Not Detected	N/A
Osmolality	Hoechst Fluorochrome Stain	Not Detected	Not Detected	N/A
Tetracycline	USP <791>	7.0 – 8.0	7.3	N/A
Cell Growth Performance Testing	USP <785>	280 – 350	303	mOsm/kg H2O
Virus Testing	AOAC 995.09	Not Detected	Not Detected	N/A
Bluetongue Virus	MTT Assay	Passed	Passed	N/A
Bovine Adenovirus 1 & 5	9 CFR Part 113.53c	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		Not Detected	Not Detected	N/A
Rabies Virus		As Reported	1.59	TCID ₅₀ /mL
Reovirus		Not Detected	Not Detected	N/A
Cytopathogenic Agents (IBR)		Not Detected	Not Detected	N/A
Hemadsorption Agents (PI3)		Not Detected	Not Detected	N/A
BVDV Serum Neutralization	Alpha Antibody Test	Not Detected	Not Detected	N/A
BVDV Antibody Type 1		As Reported	10 ^{2.30}	TCID ₅₀ /mL
BVDV Antibody Type 2		As Reported	No Neutralization	TCID ₅₀ /mL
Proteins / Other				
Alkaline Phosphatase		As Reported	256	IU/L
Blood Urea Nitrogen (BUN)		As Reported	13	mg/dL
Cholesterol		As Reported	29	mg/dL
Creatinine		As Reported	2.2	mg/dL
Gamma-Glutamyl Transferase (GGT)		As Reported	4	IU/L
Glucose		As Reported	89	mg/dL
Glutamic Oxaloacetic Transaminase (AST)		As Reported	71	IU/L
Glutamic Pyruvic Transaminase (ALT)		As Reported	7	IU/L



Mediatech, Inc.
A Corning Subsidiary
9345 Discovery Boulevard
Manassas, VA 20109
1-800-492-1110
www.cellgro.com

High Density Lipoprotein Cholesterol (HDL)		As Reported	8	mg/dL
Immunoglobulin G (IgG)	ELISA	As Reported	68.1	µg/mL
Low Density Lipoprotein Cholesterol (LDL)		As Reported	7	mg/dL
Total Bilirubin		As Reported	0.3	mg/dL
Total Protein	USP <1057>	3.0 -5.0	3.2	g/dL
Triglyceride		As Reported	71	mg/dL
Uric Acid		As Reported	2.3	mg/dL
Electrophoretic Profile	Cellulose Acetate Electrophoresis	Normal	Normal	N/A
Albumin		As Reported	1.8	g/dL
Alpha 1,2		As Reported	1.1	g/dL
Beta 1,2		As Reported	0.2	g/dL
Gamma 1,2		As Reported	0.1	g/dL
Trace Metals				
Calcium		As Reported	12.6	mg/dL
Chloride		As Reported	94	mEq/L
Iron		As Reported	193	µg/dL
Magnesium		As Reported	3.0	mg/dL
Phosphorus		As Reported	10.1	mg/dL
Potassium		As Reported	> 10.0	mEq/L
Sodium		As Reported	130	mEq/L
Hormones				
Cortisol		As Reported	< 0.20	µg/dL
Estradiol		As Reported	< 15	pg/mL
Insulin		As Reported	< 2.36	µIU/mL
Progesterone		As Reported	< 0.2	ng/mL
Testosterone		As Reported	< 0.01	ng/mL
T3		As Reported	77.8	ng/dL
T4		As Reported	10.0	µg/dL

For additional information on this Mediatech product, please contact our Technical Services department at (800) 235-5476 or via email at MTTechServ@corning.com.

Notes:

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. 0.001 mg/dL is the detection limit for the AOAC 995.09 tetracycline test used.

This product was manufactured from fetal bovine whole blood collected from USDA approved harvest facilities. 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. All harvest facilities are USDA Inspected and located within the continental United States.

For research and further manufacturing use only. Not for use as an excipient. Not for therapeutic or diagnostic use. 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.

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

Written By/Date: SR 01 NOV 2018

Reviewed By/Date: Jacques Lenoir / 01 NOV 2018



Mediatech, Inc.
 A Corning Subsidiary
 9345 Discovery Boulevard
 Manassas, VA 20109
 1-800-492-1110
www.cellgro.com