Mediatech, Inc.

A Corning Subsidiary

Certificate of Analysis

Product:

Fetal Bovine Serum

Description:

USDA Approved Origin

Catalog Number:

35-010-CF

Lot Number:

35010165

Date of Manufacture:

06 Jun 2018

Date of Expiration:

2023/06

Country of Raw Material Origin:

Nicaragua

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> EP 2.6.1	No Growth No Growth	No Growth	N/A N/A	
Endotoxin	USP <85>	≤ 20	4	EU/mL	
Mycoplasma	Barile and Kern Hoechst Fluorochrome Stain	Not Detected Not Detected	Not Detected	N/A N/A	
pH	USP <791>	6.8 - 8.4	7.1	N/A	
Osmolality	USP <785>	280 - 350	304	mOsm/kg H2O	
Cell Growth Performance Testing Virus Testing	MTT Assay 9 CFR Part 113.53c	Passed	Passed	N/A	
Bluetongue Virus	9 OF IN Part 115.55C	Not Detected	Not Detected	N/A	
Bovine Adenovirus 1 & 5		Not Detected	Not Detected	N/A N/A	
Bovine Parvovirus		Not Detected	Not Detected	N/A N/A	
Bovine Respiratory Syncytial Virus		Not Detected	Not Detected	N/A	
Bovine Viral Diarrhea Virus		As Reported	Positive	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	
Hemadsorption Agents (PI3)		Not Detected	Not Detected	N/A	
Proteins / Other					
Alkaline Phosphatase		As Reported	331	IU/L	
Blood Urea Nitrogen (BUN)		As Reported	19	mg/dL	
Cholesterol		As Reported	29	mg/dL	
Creatinine		As Reported	2.9	mg/dL	
Gamma-Glutamyl Transferase (GGT)		As Reported	5	IU/L	
Glucose		As Reported	53	mg/dL	
Glutamic Oxaloacetic Transaminase (AST)		As Reported	38	IU/L	
Glutamic Pyruvic Transaminase (ALT)		As Reported	5	IU/L	
Hemoglobin	Fleming and Woolf	≤ 30	15	mg/dL	
High Density Lipoprotein Cholesterol (HDL)		As Reported	9	mg/dL	
Immunoglobulin G (IgG)	ELISA	As Reported	87	μg/mL	



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	Low Density Lipoprotein Cholesterol (LDL)		As Reported	18	mg/dL		
	Total Bilirubin		As Reported	0.2	mg/dL		
	Total Protein	USP <1057>	3.0 -5.0	3.7	g/dL		
	Triglyceride		As Reported	49	mg/dL		
	Uric Acid		As Reported	1.2	mg/dL		
Ele	ctrophoretic Profile	Cellulose Acetate Electrophoresis	Normal	Typical	N/A		
	Albumin		As Reported	2.3	g/dL		
	Alpha 1,2		As Reported	1.2	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	13.1	mg/dL		
	Chloride		As Reported	96	mEq/L		
	Iron		As Reported	158	μg/dL		
	Magnesium		As Reported	3.0	mg/dL		
	Phosphorus		As Reported	8.3	mg/dL		
	Potassium		As Reported	> 10.0	mEq/L		
	Sodium		As Reported	135	mEq/L		
Hor	mones				•		
	Cortisol		As Reported	0.211	μg/dL		
	Estradiol		As Reported	26.0	pg/mL		
	Insulin		As Reported	6.12	μIU/mL		
	Progesterone		As Reported	< 0.05	ng/mL		
	Testosterone		As Reported	< 0.01	ng/mL		
	T3		As Reported	71.3	ng/dL		
	T4		As Reported	15.0	μg/dL		

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.

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

This product was manufactured from fetal bovine blood collected from government approved harvest facilities located in Nicaragua. 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 imported into the United States under a USDA/APHIS issued import permit.

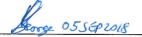
For research and further manufacturing use only. Not for use as an excipient. Not for therapeutic or diagnostic use. Not for human or animal consumption. Utilization of this product apart from the labeled intended use may be a violation of local and/or Federal Law.

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

Written By/Date:

1/2 05 SEP 2018

Reviewed By/Date:





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