

Certificate of Analysis

Created September 13, 2019

Product:

Foundation™ Fetal Bovine Serum Heat Inactivated*

Triple 0.1µm sterile-filtered

Catalog #: 900-108 Lot #: A99G00K

Origin: Honduras (100%)

Manufacture Date: Jul 2019 Expiration Date: Jul 2024

ongin. Hondulas (100%)		Expiration Date. Jul 2024		
Test	M ETHODOLOGY	SPECIFICATION	RESULTS	
Biological Testing				
Endotoxin	USP<85>	<50.0 EU/mL	<0.500 EU/mL	
Hemoglobin	Fleming, AF and Woolf, AJ (1965)	<40.0 mg/dL	16.5 mg/dL	
Microbiological Testing				
Sterility	USP <71>			
Bacteria		Not Detected	Not Detected	
Fungi		Not Detected	Not Detected	
Mycoplasma	Barile, MF and Kern, J (1971)	Not Detected	Not Detected	
Viral Testing	9 CFR 113.53c [113.46, 113.47]			
Cytopathic Agents		Not Detected	Not Detected	
Hemadsorbing Agents		Not Detected	Not Detected	
Bovine Viral Diarrhea Ab Titer				
Туре І		Test and Report	1:1	
Type II		Test and Report	1:1	
Extraneous Viruses (FAb)				
Bluetongue Virus		Not Detected	Not Detected	
Bovine Adenovirus		Not Detected	Not Detected	
Bovine Parvovirus		Not Detected	Not Detected	
Bovine Viral Diarrhea (cytop	athic)	Not Detected	Not Detected	
Bovine Syncytial Virus		Not Detected	Not Detected	
Bovine Rabies Virus		Not Detected	Not Detected	
Reovirus		Not Detected	Not Detected	
Physical Testing				
Electrophoretic Pattern	Cellulose Acetate	Normal	Normal	
Osmolality	USP<785>	260-350 m0sm/kg	314 m0sm/kg	
pH @ RT	USP<791>	6.5 - 8.5	7.07	



Biochemical Testing

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Albumin		Test and Report	2.3 g/dL	
Alkaline Phosphatase		Test and Report	276 U/L	
ALT (SGPT)		Test and Report	7 U/L	
AST (SGOT)		Test and Report	46 U/L	
GGT		<10 U/L	5 U/L	
Bilirubin, Total		Test and Report	0.2 mg/dL	
BUN		Test and Report	19 mg/dL	
Calcium		Test and Report	3.25 mM	
Chloride		Test and Report	99 mM	
Cholesterol		Test and Report	31 mg/dL	
Cortisol		Test and Report	<5.518 nM	
Creatinine		Test and Report	2.6 mg/dL	
Estradiol		Test and Report	138.03 pM	
Glucose		Test and Report	4.995 mM	
IgG	ELISA	<0.300 mg/mL**	0.136 mg/mL	
Insulin		Test and Report	39.79 pM	
Iron, Serum		Test and Report	169 ug/dL	
Phosphorus		Test and Report	3.07 mM	
Potassium		Test and Report	>10.0 mM	
Progesterone		Test and Report	<0.19 nM	
Protein, Total	Biuret	2.5-6.0 g/dL	3.6 g/dL	
Sodium		Test and Report	137 mM	
Testosterone		Test and Report	<0.03 nM	
T3		Test and Report	1.59 nM	
T4		Test and Report	171 nM	
Triglycerides		Test and Report	62 mg/dL	
Tetracycline		<4 ng/mL	Pass	
Uric Acid		Test and Report	2.2 mg/dL	

For Cell Culture, further Manufacturing and Research use only. Not for direct Therapeutic use. *Results shown were obtained by carefully performed methods believed to be reliable prior to Heat Inactivation. However, since some results may vary by methodology, it is suggested that tests for which results are particularly critical be repeated by the end user.

Our fetal bovine serum meets all USDA requirements and has passed ante- and post-mortem inspection by a licensed

Our fetal bovine serum meets all USDA requirements and has passed ante- and post-mortem inspection by a licensed veterinarian. It is collected in countries recognized as being free of foot-and-mouth disease and rinderpest. The origin of all fetal bovine serum is traceable by lot number, date and country of collection. Precipitates may develop in this product upon freezing and/or thawing; this occurrence does not impact culture performance.

**Some geographic regions may test higher than 0.300 mg/mL. If this be the case, refer to GGT results less than 10 U/L to ensure FBS purity. 13 (20 2019)