

CERTIFICATE OF ANALYSIS

Tetracycline Negative Fetal Bovine Serum

(Catalog Number 100-800)

Lot Number:

A58H00L

Date of Manufacture: Sep2020

Origin:

Mexico

Product Expiry: Sep2025

For Cell culture, Further Manufacturing or Research

use Only. Not for Direct Therapeutic Use.

Storage Temperature: ≤ -10°C

Product description: Tetracycline Negative Fetal Bovine Serum is sterile-filtered through a 0.1 μ m filter prior to freezing.

Endotoxin USP<85>, EP 2.6.14 <10.0 EU/mL 9.84 EU/mL EU/mL Fleming, AF and Woolf, AJ (1965) Microbiological Testing Sterility USP<71>, EP 2.6.1 Bacteria No Growth No Growth Fungi No Growth No Growth No Growth Fungi Not Detected Not Detected (1971), EP 2.6.7 Viral Testing 9CFR 113.53c[113.46, 113.47] Cytopathic Agents Hemadsorbing Agents Sovine Viral Diarrhea Ab Titer Type I Type II Test and Report 1:8 Trype II Test and Report <undiluted< th=""><th>Test</th><th>Methodology</th><th>Specification</th><th>Analysis</th></undiluted<>	Test	Methodology	Specification	Analysis
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Bovine Rabies Virus Not Detected Not Detected	Diarrhea (non-cytopathic)			
	Bovine Syncytial Virus		Not Detected	Not Detected
Reovirus Not Detected Not Detected	Bovine Rabies Virus		Not Detected	Not Detected
	Reovirus		Not Detected	Not Detected



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Test	Methodology	Specification	Analysis
Physical Testing		•	•
Electrophoretic Pattern	Cellulose Acetate	Normal	Normal
Osmolality	USP<785>, EP 2.2.35	260 - 350 mOsm/Kg	310 mOsm/kg
pH@RT	USP<791>	6.5 – 8.5	7.29
Biochemistry			
Albumin		Test and Report	2.3 g/dL
Alkaline Phosphatase		Test and Report	209 U/L
ALT (SGPT)		Test and Report	5 U/L
AST (SGOT)		Test and Report	33 U/L
GGT		<10 U/L	5 U/L
Bilirubin, Total		Test and Report	0.2 mg/dL
BUN		Test and Report	17 mg/dL
Calcium		Test and Report	12.9 mg/dL
Chloride		Test and Report	100 mmol/L
Cholesterol		Test and Report	29 mg/dL
Cortisol		Test and Report	0.280 ug/dL
Creatinine		Test and Report	2.7 mg/dL
Estradiol		Test and Report	18.75pg/ml
Glucose		Test and Report	81 mg/dL
lgG	ELISA	<0.300 mg/mL*	0.176 mg/mL
Insulin		Test and Report	6.77 uIU/mL
Iron, Serum		Test and Report	172 ug/dL
Phosphorus		Test and Report	9.0 mg/dL
Potassium		Test and Report	>10.0 mmol/L
Progesterone		Test and Report	<0.06 ng/mL
Protein, Total	Biuret	2.5 - 6.0 g/dL	3.5 g/dL
Sodium		Test and Report	138 mmol/L
Te <mark>sto</mark> sterone		Test and Report	<0.01 ng/mL
Т3		Test and Report	108 ng/dL
T4		Test and Report	13.0 ug/dL
T <mark>rig</mark> lycerides		Test and Report	65 mg/dL
T <mark>etra</mark> cycline		<1 ng/mL	Pass
Uric Acid		Test and Report	2.0 mg/dL

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.



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The testing that has been performed as part of this and has confirmed that the testing meets the specific	lot release has been reviewed by Quality Assurance personnel fications presented on this Certificate of Analysis.
Name 01DEC 2020	OC ASSOCIATE Title
Date	