



## CERTIFICATE OF ANALYSIS

### ***Tetracycline Negative Fetal Bovine Serum***

**(Catalog Number 100-800)**

Lot Number: A122054

Date of Manufacture: Apr2022

Product Expiry: Apr2027

Origin: Panama

Storage Temperature: ≤ -10°C

For Cell culture, Further Manufacturing or Research use Only. Not for Direct Therapeutic Use.

**Product Description:** *Tetracycline Negative Fetal Bovine Serum is sterile-filtered through a 0.1 µm filter prior to freezing.*

Test	Methodology	Specification	Analysis
<b>Biological Testing</b>			
Endotoxin		<10.0 EU/mL	1.30 EU/mL
Hemoglobin		<20.0 mg/dL	16.5 mg/dL
<b>Microbiological Testing</b>			
Sterility			
Bacteria		No Growth	No Growth
Fungi		No Growth	No Growth
Mycoplasma		Not Detected	Not Detected
<b>Viral Testing</b>	9CFR113.53c[113.46,113.47]		
Cytopathic Agents		Not Detected	Not Detected
Hemadsorbing Agents		Not Detected	Not Detected
Extraneous Viruses (FAb)			
Bluetongue Virus		Not Detected	Not Detected
Bovine Adenovirus		Not Detected	Not Detected
Bovine Parvovirus		Not Detected	Not Detected
Bovine Viral Diarrhea (Cytopathic)		Not Detected	Not Detected
Bovine Respiratory Syncytial Virus		Not Detected	Not Detected
Rabies Virus		Not Detected	Not Detected
Reovirus		Not Detected	Not Detected
<b>Physical Testing</b>			
Electrophoretic Pattern		Normal	Normal
Osmolality		260 – 350 mOsm/Kg	316 mOsm/kg
pH@RT		6.5 – 8.5	7.1
<b>Biochemistry</b>			
Albumin		Test and Report	1.7 g/dL
Alkaline Phosphatase		Test and Report	375 IU/L
ALT (SGPT)		Test and Report	9 IU/L
AST (SGOT)		Test and Report	40 IU/L
GGT		<10 U/L	4.0 IU/L



## CERTIFICATE OF ANALYSIS

### *Tetracycline Negative Fetal Bovine Serum*

**(Catalog Number 100-800)**

Lot Number: A122054

Test	Methodology	Specification	Analysis
Bilirubin, Total		Test and Report	0.1 mg/dL
BUN		Test and Report	17.0 mg/dL
Calcium		Test and Report	14.0 mg/dL
Chloride		Test and Report	99.0 mEq/L
Cholesterol		Test and Report	33.0 mg/dL
Cortisol		Test and Report	0.215 µg/dL
Creatinine		Test and Report	2.8 mg/dL
Glucose		Test and Report	47.0 mg/dL
IgG		<0.300 mg/mL*	0.0874 mg/mL
Insulin		Test and Report	8.47 uIU/mL
Iron, Serum		Test and Report	151.0 µg/dL
Phosphorus		Test and Report	8.5 mg/dL
Potassium		Test and Report	10.7 mEq/L
Progesterone		Test and Report	<0.06 ng/mL
Protein, Total		2.5 – 6.0 g/dL	3.7 g/dL
Sodium		Test and Report	138.0 mEq/L
Testosterone		Test and Report	<0.01 ng/mL
T3		Test and Report	63.0 ng/dL
T4		Test and Report	12.5 µg/dL
Triglycerides		Test and Report	59.0 mg/dL
Tetracycline		<1 ng/mL	<1.0 ng/mL
Uric Acid		Test and Report	1.0 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.

The testing that has been performed as part of this lot release has been reviewed by Quality Assurance personnel and has confirmed that the testing meets the specifications presented on this Certificate of Analysis.

VANESSA YOUNG  
Name

QA ASSOCIATE II  
Title

29 OCT 2022  
Date