

PRELIMINARY CERTIFICATE OF ANALYSIS

Standard Fetal Bovine Serum

Batch/Lot No:	N21U32	Expiration Date:	October 2026
Catalog No:	FBS003	Storage:	≤ -10°C
Country of Raw Material Origin:	United States	Appearance:	Clear straw to amber liquid
Country of Final Manufacturing:	United States	Filtration:	Triple 0.1 µm membrane filtered
Date of Manufacture:	October 2021		

Chemical Parameters

Test	Methodology	Unit of Measure	Specification	Results
Alkaline Phosphatase	Chemistry Analyzer	IU/L	As Reported	227
ALT (SGPT)	Chemistry Analyzer	IU/L	As Reported	22
AST (SGOT)	Chemistry Analyzer	IU/L	As Reported	117
Bilirubin	Chemistry Analyzer	mg/dL	As Reported	0.1
Calcium	Chemistry Analyzer	mg/dL	As Reported	13.9
Cholesterol	Chemistry Analyzer	mg/dL	As Reported	34.0
Chloride	Chemistry Analyzer	mEq/L	As Reported	94.0
Creatinine	Chemistry Analyzer	mg/dL	As Reported	2.7
GGT	Chemistry Analyzer	IU/L	As Reported	3.0
Glucose	Chemistry Analyzer	mg/dL	As Reported	168.0
Hemoglobin	USP <90>	mg/dL	≤ 50	33.89
IgG	ELISA	mg/L	As Reported	103.7
Iron	Chemistry Analyzer	µg/dL	As Reported	192.0
LDH	Chemistry Analyzer	IU/L	As Reported	786.0
Magnesium	Chemistry Analyzer	mEq/L	As Reported	2.8
Osmolality	Osmometer	mOsm/kg H ₂ O	As Reported	314.0
pH	pH Meter		As Reported	7.1
Phosphorus	Chemistry Analyzer	mg/dL	As Reported	11.3
Potassium	Chemistry Analyzer	mEq/L	As Reported	15.8
Sodium	Chemistry Analyzer	mEq/L	As Reported	133.0
Total Protein	Chemistry Analyzer	g/dL	As Reported	3.8
Triglyceride	Chemistry Analyzer	mg/dL	As Reported	91.0
Urea Nitrogen (BUN)	Chemistry Analyzer	mg/dL	As Reported	16.0
Uric Acid	Chemistry Analyzer	mg/dL	As Reported	3.2

Microbiological Parameters

Test	Methodology	Unit of Measure	Specification	Results
Endotoxin	LAL	EU/mL	≤ 20	15.0
Mycoplasma	PCR		Not Detected	Pending
Sterility				
Bacteria	9CFR 113.26		No Growth	No Growth
Fungi	9CFR 113.26		No Growth	No Growth

Antibiotics/Antimycotics

Test	Unit of Measure	Specification	Results
Tetracycline	ng/mL	As Reported	1.43

PRELIMINARY CERTIFICATE OF ANALYSIS

Standard Fetal Bovine Serum

Batch/Lot No:	N21U32	Expiration Date:	October 2026
Catalog No:	FBS003	Storage:	≤ -10°C
Country of Raw Material Origin:	United States	Appearance:	Clear straw to amber liquid
Country of Final Manufacturing:	United States	Filtration:	Triple 0.1 µm membrane filtered
Date of Manufacture:	October 2021		

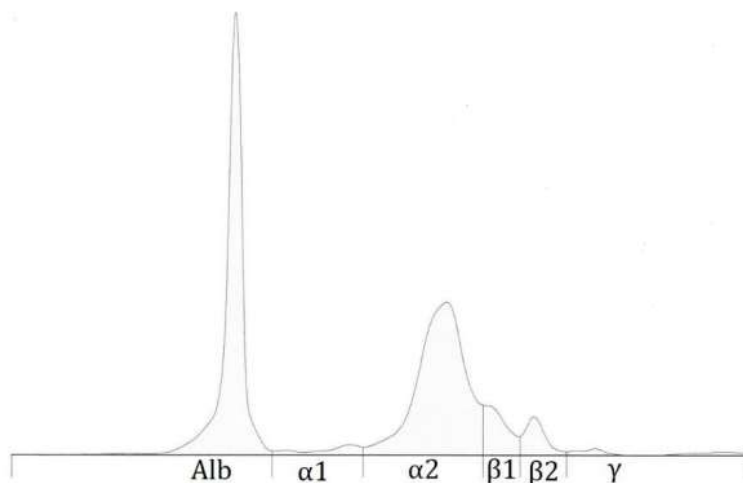
Viral Testing

Test	Methodology	Specification	Results
Blue Tongue	9CFR 113.53c, 113.46, 113.47	Not Detected	Pending
Bovine Adeno 3	9CFR 113.53c, 113.46, 113.47	Not Detected	Pending
Bovine Adeno 5	9CFR 113.53c, 113.46, 113.47	Not Detected	Pending
BPV	9CFR 113.53c, 113.46, 113.47	Not Detected	Pending
BRSV	9CFR 113.53c, 113.46, 113.47	As Reported	Pending
BVD, Cytopathic	9CFR 113.53c, 113.46, 113.47	As Reported	Pending
BVD, Non-Cytopathic	9CFR 113.53c, 113.46, 113.47	As Reported	Pending
Cytopathic (IBR)	9CFR 113.53c, 113.46, 113.47	Not Detected	Pending
Hemadsorbing (PI3)	9CFR 113.53c, 113.46, 113.47	Not Detected	Pending
Rabies	9CFR 113.53c, 113.46, 113.47	Not Detected	Pending
REO Virus	9CFR 113.53c, 113.46, 113.47	Not Detected	Pending

Protein Electrophoresis

Test	Unit of Measure	Specification	Results
Albumin	g/dL	As Reported	1.6
Alpha Globulins	g/dL	As Reported	1.7
Beta Globulins	g/dL	As Reported	0.4
Gamma Globulins	g/dL	As Reported	0.1

Protein Electrophoresis



PRELIMINARY CERTIFICATE OF ANALYSIS

Standard Fetal Bovine Serum

Batch/Lot No:	N21U32	Expiration Date:	October 2026
Catalog No:	FBS003	Storage:	≤ -10°C
Country of Raw Material Origin:	United States	Appearance:	Clear straw to amber liquid
Country of Final Manufacturing:	United States	Filtration:	Triple 0.1 µm membrane filtered
Date of Manufacture:	October 2021		

Hormone Panel

Test	Unit of Measure	Specification	Results
T3	ng/dL	As Reported	238.0
T4	µg/dL	As Reported	13.5

Test results reviewed and approved by*



November 19, 2021

Approved by/Date

Verify by/Date

** Test results for this product may have been obtained from third-party certified testing facilities. Results are believed to be accurate but have not been verified by Neuromics. Neuromics relies on the integrity of third-party testing facilities and conducts periodic audits of those facilities. Such audits provided Neuromics with sufficient confidence in the facilities' level of compliance*