

NEUROMICS

CERTIFICATE OF ANALYSIS

Premium Fetal Bovine Serum

Batch/Lot No:	N21U13	Expiration Date:	December 2026
Catalog No:	FBS001	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:	December 2021		

Chemical Parameters

Test	Methodology	Unit of Measure	Specification	Results
Alkaline Phosphatase	Chemistry Analyzer	IU/L	As Reported	257
ALT (SGPT)	Chemistry Analyzer	IU/L	As Reported	13
AST (SGOT)	Chemistry Analyzer	IU/L	As Reported	55
Bilirubin	Chemistry Analyzer	mg/dL	As Reported	0.1
Calcium	Chemistry Analyzer	mg/dL	As Reported	14.2
Cholesterol	Chemistry Analyzer	mg/dL	As Reported	30.0
Chloride	Chemistry Analyzer	mEq/L	As Reported	96.0
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	131.0
Hemoglobin	USP <90>	mg/dL	≤ 20	12.42
IgG	ELISA	mg/L	As Reported	97.7
Iron	Chemistry Analyzer	μg/dL	As Reported	174.0
LDH	Chemistry Analyzer	IU/L	As Reported	623.0
Magnesium	Chemistry Analyzer	mEq/L	As Reported	2.7
Osmolality	Osmometer	mOsm/kg H ₂ O	As Reported	312.0
pH	pH Meter		As Reported	7.1
Phosphorus	Chemistry Analyzer	mg/dL	As Reported	10.1
Potassium	Chemistry Analyzer	mEq/L	As Reported	12.4
Sodium	Chemistry Analyzer	mEq/L	As Reported	136.0
Total Protein	Chemistry Analyzer	g/dL	As Reported	3.7
Triglyceride	Chemistry Analyzer	mg/dL	As Reported	71.0
Urea Nitrogen (BUN)	Chemistry Analyzer	mg/dL	As Reported	14.0
Uric Acid	Chemistry Analyzer	mg/dL	As Reported	2.6

Microbiological Parameters

Test	Methodology	Unit of Measure	Specification	Results
Endotoxin	LAL	EU/mL	≤ 10	0.267
Mycoplasma	PCR		Not Detected	Not Detected
Sterility				
Bacteria	9CFR 113.26		No Growth	No Growth
Fungi	9CFR 113.26		No Growth	No Growth

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Antibiotics/Antimycotics

Test	Unit of Measure	Specification	Results
Tetracycline	ng/mL	As Reported	1.40

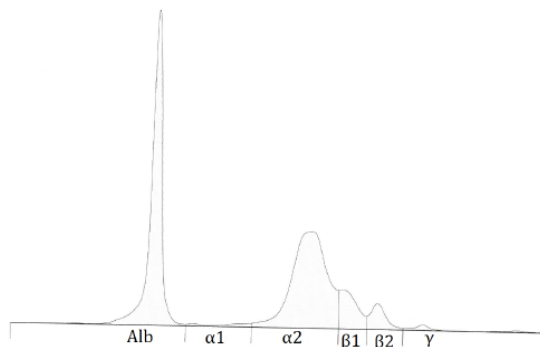
Viral Testing

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

Protein Electrophoresis

Test	Unit of Measure	Specification	Results
Albumin	g/dL	Not Detected	1.6
Alpha Globulins	g/dL	Not Detected	1.7
Beta Globulins	g/dL	Not Detected	0.5
Gamma Globulins	g/dL	Not Detected	0.1

Profile Electrophoresis



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Hormone Panel

Test	Unit of Measure	Specification	Results
T3	ng/dL	As Reported	203.0
T4	μg/dL	As Reported	12.2

Protein Electrophoresis

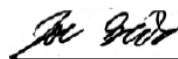
Test	Unit of Measure	Specification	Results
Cell Type: CHO K1 Day 3	%	For Information	97.0
Cell Type: SP2/0-Ag14 Day 3	%	For Information	120.7
Cell Type: MRC-5 Day 5	%	For Information	102.3
Relative Colony Forming Efficiency	%	For Information	102.6
Absolute Colony Forming Efficiency	%	For Information	71.2
Relative Cloning Efficiency	%	For Information	95.9
Absolute Cloning Efficiency	%	For Information	49.0

Test results reviewed and approved by*



January 7, 2022

Approved by/Date



January 10, 2022

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.