

CERTIFICATE OF ANALYSIS

Premium Fetal Bovine Serum

Batch/Lot No:	N21U11 (Formerly 040U21)	Expiration Date:	February 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:	February 2021		

Chemical Parameters

Test	Methodology	Unit of Measure	Specification	Results
Alkaline Phosphatase	Chemistry Analyzer	IU/L	As Reported	242
ALT (SGPT)	Chemistry Analyzer	IU/L	As Reported	13
AST (SGOT)	Chemistry Analyzer	IU/L	As Reported	94
Bilirubin	Chemistry Analyzer	mg/dL	As Reported	0.20
Calcium	Chemistry Analyzer	mg/dL	As Reported	13.9
Cholesterol	Chemistry Analyzer	mg/dL	As Reported	31
Chloride	Chemistry Analyzer	mEq/L	As Reported	96
Creatinine	Chemistry Analyzer	mg/dL	As Reported	2.3
GGT	Chemistry Analyzer	IU/L	As Reported	3
Glucose	Chemistry Analyzer	mg/dL	As Reported	114
Hemoglobin	USP <90>	mg/dL	≤ 20	12.92
IgG	ELISA	mg/L	As Reported	83.80
Iron	Chemistry Analyzer	µg/dL	As Reported	166
LDH	Chemistry Analyzer	IU/L	As Reported	740
Magnesium	Chemistry Analyzer	mEq/L	As Reported	2.60
Osmolality	Osmometer	mOsm/kg H ₂ O	As Reported	304.0
pH	pH Meter		As Reported	7.20
Phosphate	Chemistry Analyzer	mg/dL	As Reported	9.9
Potassium	Chemistry Analyzer	mEq/L	As Reported	12.0
Sodium	Chemistry Analyzer	mEq/L	As Reported	133
Total Protein	Chemistry Analyzer	g/dL	As Reported	3.50
Triglyceride	Chemistry Analyzer	mg/dL	As Reported	68
Urea Nitrogen (BUN)	Chemistry Analyzer	mg/dL	As Reported	14
Uric Acid	Chemistry Analyzer	mg/dL	As Reported	2.2

Microbiological Parameters

Test	Methodology	Unit of Measure	Specification	Results
Endotoxin	LAL	EU/mL	≤ 10	1.14
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/dL	As Reported	<1.0

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	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	1.5
Alpha Globulins	g/dL	Not Detected	1.8
Beta Globulins	g/dL	Not Detected	0.2
Gamma Globulins	g/dL	Not Detected	0.0

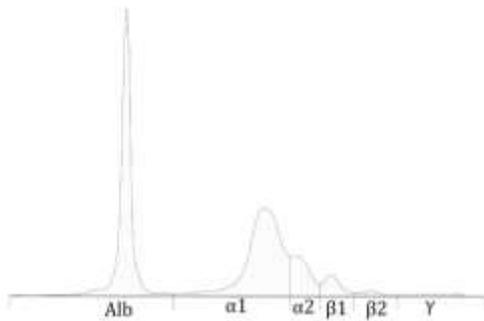
NEUROMICS

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Profile Electrophoresis



Hormone Panel

Test	Unit of Measure	Specification	Results
T3	ng/dL	As Reported	135
T4	μg/dL	As Reported	12.8

Protein Electrophoresis

Test	Unit of Measure	Specification	Results
Cell Type: SP2/0-Ag14 Day 3	%	For Information	112.7
Cell Type: MRC-5 Day 5	%	For Information	85.1
Cell Type: CHO K1 Day 3	%	For Information	99.4
Relative Colony Forming Efficiency	%	For Information	98.7
Absolute Colony Forming Efficiency	%	For Information	64.7
Relative Cloning Efficiency	%	For Information	104.2
Absolute Cloning Efficiency	%	For Information	52.1

Test results reviewed and approved by*



 Approved by/Date March 15, 2021



 Verify by/Date March 15, 2021

* 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.