

# NEUROMICS

## CERTIFICATE OF ANALYSIS

### Premium Fetal Bovine Serum

<b>Batch/Lot No:</b>	N22U14	<b>Expiration Date:</b>	March 2027
<b>Catalog No:</b>	FBS001	<b>Storage:</b>	≤ -10°C
<b>Country of Raw Material Origin:</b>	United States	<b>Appearance:</b>	Clear straw to amber liquid
<b>Country of Final Manufacturing:</b>	United States	<b>Filtration:</b>	Triple 0.1 µm membrane filtered
<b>Date of Manufacture:</b>	March 2022		

#### Chemical Parameters

Test	Methodology	Unit of Measure	Specification	Results
Alkaline Phosphatase	Chemistry Analyzer	IU/L	As Reported	250
ALT (SGPT)	Chemistry Analyzer	IU/L	As Reported	14
AST (SGOT)	Chemistry Analyzer	IU/L	As Reported	80
Bilirubin	Chemistry Analyzer	mg/dL	As Reported	0.2
Calcium	Chemistry Analyzer	mg/dL	As Reported	14.1
Cholesterol	Chemistry Analyzer	mg/dL	As Reported	29.0
Chloride	Chemistry Analyzer	mEq/L	As Reported	95.0
Creatinine	Chemistry Analyzer	mg/dL	As Reported	2.6
GGT	Chemistry Analyzer	IU/L	As Reported	2.0
Glucose	Chemistry Analyzer	mg/dL	As Reported	142.0
Hemoglobin	USP <90>	mg/dL	≤ 20	15.67
IgG	ELISA	mg/L	As Reported	90.0
Iron	Chemistry Analyzer	µg/dL	As Reported	167.0
LDH	Chemistry Analyzer	IU/L	As Reported	709.0
Magnesium	Chemistry Analyzer	mEq/L	As Reported	2.7
Osmolality	Osmometer	mOsm/kg H <sub>2</sub> O	As Reported	309.0
pH	pH Meter		As Reported	7.2
Phosphorous	Chemistry Analyzer	mg/dL	As Reported	10.2
Potassium	Chemistry Analyzer	mEq/L	As Reported	13.5
Sodium	Chemistry Analyzer	mEq/L	As Reported	134.0
Total Protein	Chemistry Analyzer	g/dL	As Reported	3.7
Triglyceride	Chemistry Analyzer	mg/dL	As Reported	75.0
Urea Nitrogen (BUN)	Chemistry Analyzer	mg/dL	As Reported	15.0
Uric Acid	Chemistry Analyzer	mg/dL	As Reported	2.7

#### Microbiological Parameters

Test	Methodology	Unit of Measure	Specification	Results
Endotoxin	LAL	EU/mL	≤ 10	0.263
Mycoplasma	9CFR 113.28		Not Detected	Not Detected
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	1.10

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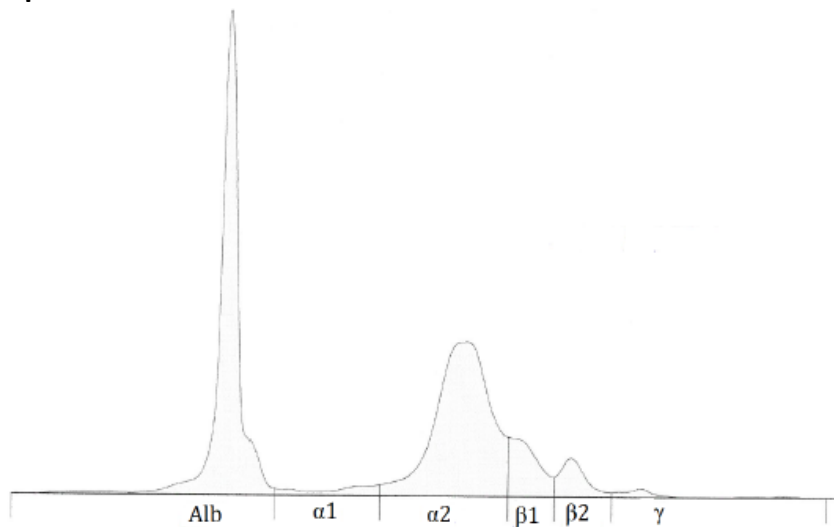
**Viral Testing**

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	1.6
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	204.00
T4	µg/dL	As Reported	15.0

#### Biological Performance

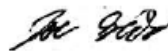
Test	Unit of Measure	Specification	Results
Cell Type: SP2/0-Ag14 Day 3	%	For Information	106.1
Cell Type: MRC-5 Day 5	%	For Information	89.4
Cell Type: CHO K1 Day 3	%	For Information	106.2
Relative Colony Forming Efficiency	%	For Information	102.6
Absolute Colony Forming Efficiency	%	For Information	77.5
Relative Cloning Efficiency	%	For Information	116.0
Absolute Cloning Efficiency	%	For Information	49.0

#### Test results reviewed and approved by\*



April 16, 2022

Approved by/Date



April 19, 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.*