

NEUROMICS

CERTIFICATE OF ANALYSIS

Premium Fetal Bovine Serum

Batch/Lot No:	N22U12	Expiration Date:	March 2027
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:	March 2022		

Chemical Parameters

Test	Methodology	Unit of Measure	Specification	Results
Alkaline Phosphatase	Chemistry Analyzer	IU/L	As Reported	285
ALT (SGPT)	Chemistry Analyzer	IU/L	As Reported	13
AST (SGOT)	Chemistry Analyzer	IU/L	As Reported	54
Bilirubin	Chemistry Analyzer	mg/dL	As Reported	0.2
Calcium	Chemistry Analyzer	mg/dL	As Reported	14.2
Cholesterol	Chemistry Analyzer	mg/dL	As Reported	31.0
Chloride	Chemistry Analyzer	mEq/L	As Reported	96.0
Creatinine	Chemistry Analyzer	mg/dL	As Reported	2.8
GGT	Chemistry Analyzer	IU/L	As Reported	3.0
Glucose	Chemistry Analyzer	mg/dL	As Reported	117.0
Hemoglobin	USP <90>	mg/dL	≤ 20	15.80
IgG	ELISA	mg/L	As Reported	140.6
Iron	Chemistry Analyzer	µg/dL	As Reported	181.0
LDH	Chemistry Analyzer	IU/L	As Reported	675.0
Magnesium	Chemistry Analyzer	mEq/L	As Reported	2.7
Osmolality	Osmometer	mOsm/kg H ₂ O	As Reported	310.0
pH	pH Meter		As Reported	7.2
Phosphorous	Chemistry Analyzer	mg/dL	As Reported	9.6
Potassium	Chemistry Analyzer	mEq/L	As Reported	11.7
Sodium	Chemistry Analyzer	mEq/L	As Reported	137.0
Total Protein	Chemistry Analyzer	g/dL	As Reported	3.8
Triglyceride	Chemistry Analyzer	mg/dL	As Reported	60.0
Urea Nitrogen (BUN)	Chemistry Analyzer	mg/dL	As Reported	15.0
Uric Acid	Chemistry Analyzer	mg/dL	As Reported	2.4

Microbiological Parameters

Test	Methodology	Unit of Measure	Specification	Results
Endotoxin	LAL	EU/mL	≤ 10	1.230
Mycoplasma	PCR		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	1.70

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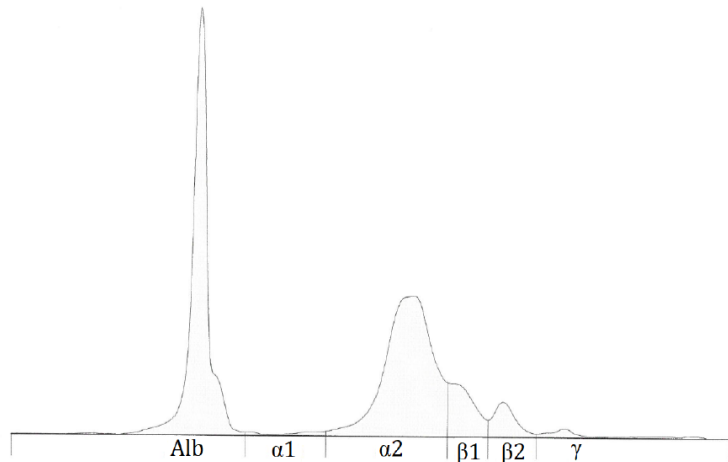
Viral Testing

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	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	1.6
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	135.0
T4	μg/dL	As Reported	13.4

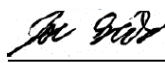
Biological Performance

Test	Unit of Measure	Specification	Results
Cell Type: SP2/0-Ag14 Day 3	%	For Information	104.7
Cell Type: MRC-5 Day 5	%	For Information	117.7
Cell Type: CHO K1 Day 3	%	For Information	130.2
Relative Colony Forming Efficiency	%	For Information	109.6
Absolute Colony Forming Efficiency	%	For Information	89.7
Relative Cloning Efficiency	%	For Information	100.9
Absolute Cloning Efficiency	%	For Information	60.4

Test results reviewed and approved by*



 Approved by/Date April 25, 2022



 Verify by/Date April 26, 2022

** 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.*