

NEUROMICS

CERTIFICATE OF ANALYSIS

Premium Fetal Bovine Serum

Batch/Lot No:	N23P22	Expiration Date:	May 2028
Catalog No:	FBS002	Storage:	≤ -10°C
Country of Raw Material Origin:	Panama	Appearance:	Clear straw to amber liquid
Country of Final Manufacturing:	United States	Filtration:	Triple 0.1 µm membrane filtered
Date of Manufacture:	May 2023		

Chemical Parameters

Test	Methodology	Unit of Measure	Specification	Results
Alkaline Phosphatase	Chemistry Analyzer	IU/L	As Reported	355
ALT (SGPT)	Chemistry Analyzer	IU/L	As Reported	10
AST (SGOT)	Chemistry Analyzer	IU/L	As Reported	37
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	31.0
Chloride	Chemistry Analyzer	mEq/L	As Reported	100.0
Creatinine	Chemistry Analyzer	mg/dL	As Reported	2.9
GGT	Chemistry Analyzer	IU/L	As Reported	5.0
Glucose	Chemistry Analyzer	mg/dL	As Reported	48.0
Hemoglobin	USP <90>	mg/dL	≤ 20	12.96
IgG	ELISA	mg/L	As Reported	128.3
Iron	Chemistry Analyzer	µg/dL	As Reported	165.0
LDH	Chemistry Analyzer	IU/L	As Reported	567.0
Magnesium	Chemistry Analyzer	mEq/L	As Reported	2.7
Osmolality	Osmometer	mOsm/kg H ₂ O	As Reported	319.0
pH	pH Meter		As Reported	7.1
Phosphorus	Chemistry Analyzer	mg/dL	As Reported	8.4
Potassium	Chemistry Analyzer	mEq/L	As Reported	11.3
Sodium	Chemistry Analyzer	mEq/L	As Reported	140.0
Total Protein	Chemistry Analyzer	g/dL	As Reported	3.7
Triglyceride	Chemistry Analyzer	mg/dL	As Reported	61.0
Urea Nitrogen (BUN)	Chemistry Analyzer	mg/dL	As Reported	17.0
Uric Acid	Chemistry Analyzer	mg/dL	As Reported	1.3

Microbiological Parameters

Test	Methodology	Unit of Measure	Specification	Results
Endotoxin	LAL	EU/mL	≤ 10	< 0.100
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	4.70

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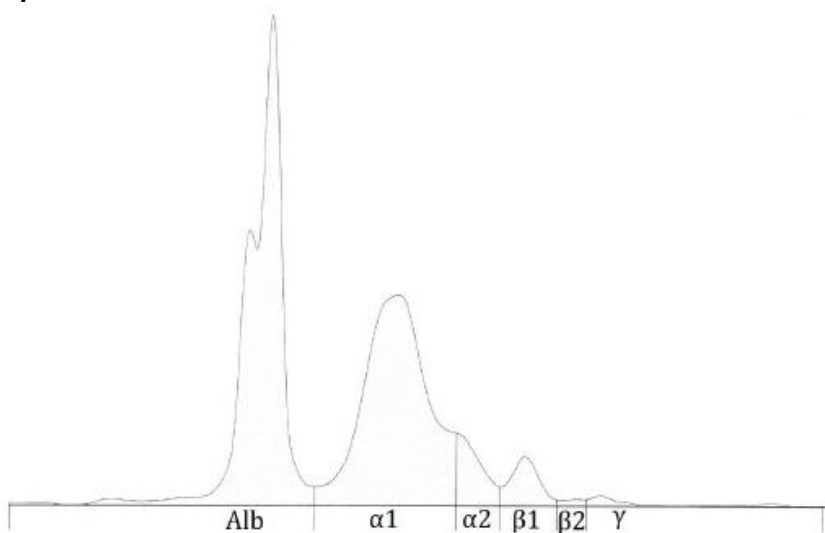
Viral Testing

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	As Reported	1.7
Alpha Globulins	g/dL	As Reported	1.7
Beta Globulins	g/dL	As Reported	0.2
Gamma Globulins	g/dL	As Reported	0.1

Profile Electrophoresis



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Hormone Panel

Test	Unit of Measure	Specification	Results
Cortisol	ug/dL	As Reported	< 0.20
Insulin	uIU/mL	As Reported	9.520
Progesterone	ng/mL	As Reported	< 0.06
T3	ng/dL	As Reported	89.2
T4	ug/dL	As Reported	13.5
Testosterone	ng/mL	As Reported	0.010

Biological Performance

Test	Unit of Measure	Specification	Results
Cell Type: SP2/0-Ag14 Day3	%	For information	124.4
Cell Type: MRC-5 Day 5	%	For information	92.0
Cell Type: CHO K1 Day 3	%	For information	139.2
Relative Colony Forming Efficiency	%	For information	106.4
Absolute Colony Forming Efficiency	%	For information	74.6
Relative Cloning Efficiency	%	For information	98.6
Absolute Cloning Efficiency	%	For information	38.0

Test results reviewed and approved by*



June 19, 2023

Approved by/Date



June 19, 2023

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*