

NEUROMICS

CERTIFICATE OF ANALYSIS

Premium Fetal Bovine Serum

Batch/Lot No:	N23H23	Expiration Date:	October 2028
Catalog No:	FBS002	Storage:	≤ -10°C
Country of Raw Material Origin:	Honduras	Appearance:	Clear straw to amber liquid
Country of Final Manufacturing:	United States	Filtration:	Triple 0.1 µm membrane filtered
Date of Manufacture:	October 2023		

Chemical Parameters

Test	Methodology	Unit of Measure	Specification	Results
Alkaline Phosphatase	Chemistry Analyzer	IU/L	As Reported	351
ALT (SGPT)	Chemistry Analyzer	IU/L	As Reported	13
AST (SGOT)	Chemistry Analyzer	IU/L	As Reported	76
Bilirubin	Chemistry Analyzer	mg/dL	As Reported	0.1
Calcium	Chemistry Analyzer	mg/dL	As Reported	14.3
Cholesterol	Chemistry Analyzer	mg/dL	As Reported	32.0
Chloride	Chemistry Analyzer	mEq/L	As Reported	98.0
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	87.0
Hemoglobin	USP <90>	mg/dL	≤ 20	16.00
IgG	ELISA	mg/L	As Reported	229.4
Iron	Chemistry Analyzer	µg/dL	As Reported	154.0
LDH	Chemistry Analyzer	IU/L	As Reported	695.0
Magnesium	Chemistry Analyzer	mEq/L	As Reported	2.8
Osmolality	Osmometer	mOsm/kg H ₂ O	As Reported	313.0
pH	pH Meter		As Reported	7.3
Phosphorus	Chemistry Analyzer	mg/dL	As Reported	9.1
Potassium	Chemistry Analyzer	mEq/L	As Reported	11.3
Sodium	Chemistry Analyzer	mEq/L	As Reported	137.0
Total Protein	Chemistry Analyzer	g/dL	As Reported	4.0
Triglyceride	Chemistry Analyzer	mg/dL	As Reported	61.0
Urea Nitrogen (BUN)	Chemistry Analyzer	mg/dL	As Reported	20.0
Uric Acid	Chemistry Analyzer	mg/dL	As Reported	1.8

Microbiological Parameters

Test	Methodology	Unit of Measure	Specification	Results
Endotoxin	LAL	EU/mL	≤ 10	0.225
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	4.00

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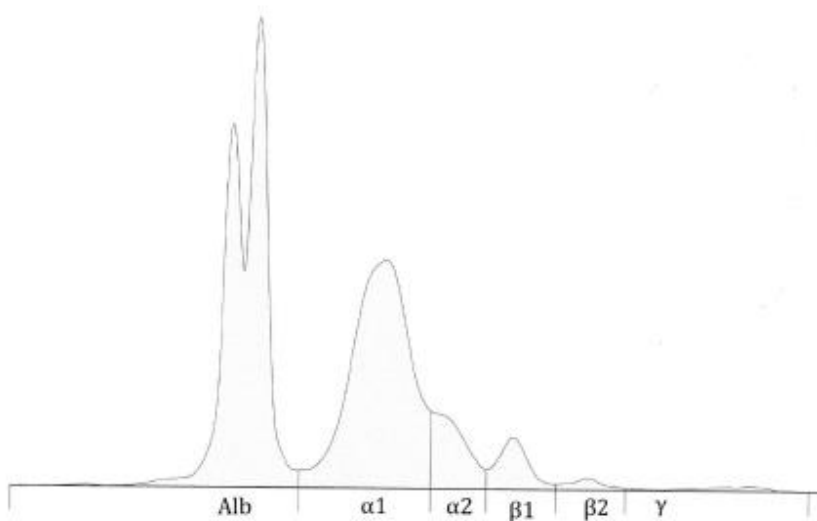
Viral Testing

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	1.9
Alpha Globulins	g/dL	As Reported	1.9
Beta Globulins	g/dL	As Reported	0.2
Gamma Globulins	g/dL	As Reported	0.0

Protein Electrophoresis



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Hormone Panel

Test	Unit of Measure	Specification	Results
Cortisol	ug/dL	As Reported	0.279
Insulin	uIU/mL	As Reported	7.600
Progesterone	ng/mL	As Reported	< 0.06
T3	ng/dL	As Reported	123.0
T4	µg/dL	As Reported	15.7
Testosterone	gg/mL	As Reported	< 0.01

Biological Performance

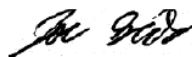
Test	Unit of Measure	Specification	Results
Cell Line: SP2/0-Ag14 Day 3	%	For information	106.3
Cell Line: MRC-5 Day 5	%	For information	98.2
Cell Line: CHO K1 Day 3	%	For information	133.6
Relative Colony Forming Efficiency	%	For information	96.6
Absolute Colony Forming Efficiency	%	For information	71.0
Relative Cloning Efficiency	%	For information	98.8
Absolute Cloning Efficiency	%	For information	41.1

Test results reviewed and approved by*



December 4, 2023

Approved by/Date



December 7, 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*