

NEUROMICS

CERTIFICATE OF ANALYSIS

Tet-Free Fetal Bovine Serum

Batch/Lot No:	N21G21-T	Expiration Date:	February 2026
Catalog No:	FBS002-T	Storage:	≤ -10°C
Country of Raw Material Origin:	Guatemala	Appearance:	Clear straw to amber liquid
Country of Final Manufacturing:	Guatemala	Filtration:	Triple 0.1 um membrane filtered
Date of Manufacture:	February 2021		

Chemical Parameters

Test	Methodology	Unit of Measure	Specification	Results
Alkaline Phosphatase	Chemistry Analyzer	IU/L	As Reported	380
ALT (SGPT)	Chemistry Analyzer	IU/L	As Reported	8
AST (SGOT)	Chemistry Analyzer	IU/L	As Reported	41
Bilirubin	Chemistry Analyzer	mg/dL	As Reported	0.10
Calcium	Chemistry Analyzer	mg/dL	As Reported	14.80
Cholesterol	Chemistry Analyzer	mg/dL	As Reported	39.00
Chloride	Chemistry Analyzer	mEq/L	As Reported	96.00
Creatinine	Chemistry Analyzer	mg/dL	As Reported	2.90
GGT	Chemistry Analyzer	IU/L	As Reported	6.00
Glucose	Chemistry Analyzer	mg/dL	As Reported	91.00
Hemoglobin	USP <90>	mg/dL	≤ 20	10.76
IgG	ELISA	mg/L	As Reported	96.30
Iron	Chemistry Analyzer	ug/dL	As Reported	168.00
LDH	Chemistry Analyzer	IU/L	As Reported	636.00
Magnesium	Chemistry Analyzer	mEq/L	As Reported	2.80
Osmolality	Osmometer	mOsm/kg H ₂ O	As Reported	308.00
pH	pH Meter		As Reported	7.30
Phosphorus	Chemistry Analyzer	mg/dL	As Reported	9.10
Potassium	Chemistry Analyzer	mEq/L	As Reported	11.70
Sodium	Chemistry Analyzer	mEq/L	As Reported	137.00
Total Protein	Chemistry Analyzer	g/dL	As Reported	3.90
Triglyceride	Chemistry Analyzer	mg/dL	As Reported	74.00
Urea	Chemistry Analyzer	mg/dL	As Reported	18.00
Uric Acid	Chemistry Analyzer	mg/dL	As Reported	2.20

Microbiological Parameters

Test	Methodology	Unit of Measure	Specification	Results
Endotoxin	LAL	EU/mL	≤ 10	0.48
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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Antibiotic

Test	Unit of Measure	Specification	Results
Tetracycline	ng/ml	As Reported	<1.0

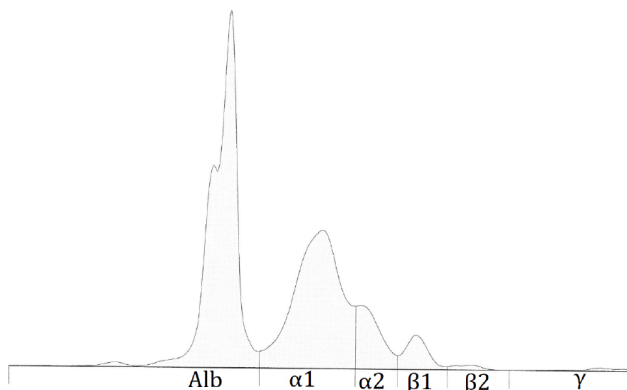
Viral Testing

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	As Reported	1.90
Alpha Globulins	g/dL	As Reported	1.80
Beta Globulins	g/dL	As Reported	0.20
Gamma Globulins	g/dL	As Reported	0.00

Protein Electrophoresis



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Hormone Panel

Test	Unit of Measure	Specification	Results
T3	ng/dL	As Reported	103.00
T4	ug/dL	As Reported	14.70

Biological Performance

Test	Unit of Measure	Specification	Results
Cell Type: SP2/O-Ag14 Day 3	%	For Information	99.40
Cell Type: MRC-5 Day 5	%	For Information	89.10
Cell Type: CHO K1 Day 3	%	For Information	94.70
Relative Colony Forming Efficiency	%	For Information	103.20
Absolute Colony Forming Efficiency	%	For Information	69.70
Relative Cloning Efficiency	%	For Information	96.30
Absolute Cloning Efficiency	%	For Information	40.60

Test results reviewed and approved by*



July 12, 2021

Approved by/Date



July 13, 2021

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.