

NEUROMICS 
CERTIFICATE OF ANALYSIS

Charcoal Stripped Fetal Bovine Serum

Batch/Lot No:	N25G52-C	Expiration Date:	July 2030
Catalog No:	FBS005-C	Storage:	≤ -10°C
Country of Raw Material Origin:	Guatemala	Appearance:	Clear straw to amber liquid
Country of Final Manufacturing:	United States	Filtration:	Sterile Filter
Date of Manufacture:	July 2025		

Chemical Parameters

Test	Methodology	Unit of Measure	Specification	Results
Alkaline Phosphatase	Chemistry Analyzer	IU/L	As Reported	286
ALT (SGPT)	Chemistry Analyzer	IU/L	As Reported	< 5
AST (SGOT)	Chemistry Analyzer	IU/L	As Reported	46
Bilirubin	Chemistry Analyzer	mg/dL	As Reported	0.0
Calcium	Chemistry Analyzer	mg/dL	As Reported	14.0
Cholesterol	Chemistry Analyzer	mg/dL	As Reported	31
Chloride	Chemistry Analyzer	mEq/L	As Reported	93
Creatinine	Chemistry Analyzer	mg/dL	As Reported	2.6
GGT	Chemistry Analyzer	IU/L	As Reported	5
Glucose	Chemistry Analyzer	mg/dL	As Reported	65
Hemoglobin	USP <90> ELISA	mg/dL	As Reported	4.02
IgG	ELISA	mg/L	As Reported	134.7
Iron	Chemistry Analyzer	ug/dL	As Reported	166
LDH	Chemistry Analyzer	IU/L	As Reported	547
Magnesium	Chemistry Analyzer	mEq/L	As Reported	2.7
Osmolality	Osmometer	mOsm/kg H2O	As Reported	296
pH	pH Meter		As Reported	7.4
Phosphate	Chemistry Analyzer	mg/dL	As Reported	8.2
Potassium	Chemistry Analyzer	mEq/L	As Reported	10.8
Sodium	Chemistry Analyzer	mEq/L	As Reported	131
Total Protein	Chemistry Analyzer	g/dL	As Reported	3.5
Triglyceride	Chemistry Analyzer	mg/dL	As Reported	72
Urea Nitrogen (BUN)	Chemistry Analyzer	mg/dL	As Reported	17
Uric Acid	Chemistry Analyzer	mg/dL	As Reported	1.1

Microbiological Parameters

Test	Methodology	Unit of Measure	Specification	Results
Endotoxin	LAL	ng/mL	< 10	4.94
Mycoplasma	PCR		As Reported	Not Detected
Sterility				
Bacteria	9CFR 113.26		No Growth	No Growth
Fungi	9CFR 113.26		No Growth	No Growth

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Protein Electrophoresis

Test	Unit of Measure	Specification	Results
Albumin	g/dL	As Reported	1.70
Alpha Globulins	g/dL	As Reported	1.60
Beta Globulins	g/dL	As Reported	0.10
Gamma Globulins	g/dL	As Reported	0.00

Hormone Panel

Test	Unit of Measure	Specification	Results
Cortisol	ug/dL	As Reported	< 0.20
Insulin	uIU/mL	As Reported	< 2.36
Progesterone	ng/mL	As Reported	< 0.06
T3	ng/dL	As Reported	90.2
T4	ug/dL	As Reported	13.5
Testosterone	ng/mL	As Reported	< 0.01

Viral Testing

Test	Methodology	Specification	Results
Bluetongue virus	9CFR 113.53C, 113.46, 113.47	As Reported	Not Detected
Bovine Adeno 1	9CFR 113.53C, 113.46, 113.47	As Reported	Not Detected
Bovine Adeno 5	9CFR 113.53C, 113.46, 113.47	As Reported	Not Detected
BPV	9CFR 113.53C, 113.46, 113.47	As Reported	Not Detected
BRSV	9CFR 113.53C, 113.46, 113.47	As Reported	Not Detected
BVD	9CFR 113.53C, 113.46, 113.47	As Reported	Not Detected
Cytopathic (IBR)	9CFR 113.53C, 113.46, 113.47	As Reported	Not Detected
Hemadsorbing (PI3)	9CFR 113.53C, 113.46, 113.47	As Reported	Not Detected
Rabies	9CFR 113.53C, 113.46, 113.47	As Reported	Not Detected
REO Virus	9CFR 113.53C, 113.46, 113.47	As Reported	Not Detected

Test results reviewed and approved by*



August 11, 2025

Approved by/Date



August 11, 2025

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.