

# NEUROMICS

## CERTIFICATE OF ANALYSIS

### Tet-Free Fetal Bovine Serum

<b>Batch/Lot No:</b>	N23N11-T	<b>Expiration Date:</b>	September 2028
<b>Catalog No:</b>	FBS001-T	<b>Storage:</b>	≤ -10°C
<b>Country of Raw Material Origin:</b>	United States	<b>Appearance:</b>	Clear straw to amber liquid
<b>Country of Final Manufacturing:</b>	United States	<b>Filtration:</b>	Triple 0.1 um membrane filtered
<b>Date of Manufacture:</b>	September 2019		

### Chemical Parameters

Test	Methodology	Unit of Measure	Specification	Results
Alkaline Phosphatase	Chemistry Analyzer	IU/L	As Reported	181
ALT (SGPT)	Chemistry Analyzer	IU/L	As Reported	12
AST (SGOT)	Chemistry Analyzer	IU/L	As Reported	71
Bilirubin	Chemistry Analyzer	mg/dL	As Reported	0.2
Calcium	Chemistry Analyzer	mg/dL	As Reported	14.1
Cholesterol	Chemistry Analyzer	mg/dL	As Reported	29.0
Chloride	Chemistry Analyzer	mEq/L	As Reported	95.0
Creatinine	Chemistry Analyzer	mg/dL	As Reported	2.6
GGT	Chemistry Analyzer	IU/L	As Reported	3.0
Glucose	Chemistry Analyzer	mg/dL	As Reported	135.0
Hemoglobin	USP <90>	mg/dL	≤ 20	16.52
IgG	ELISA	mg/L	As Reported	180.1
Iron	Chemistry Analyzer	ug/dL	As Reported	166.0
LDH	Chemistry Analyzer	IU/L	As Reported	583.0
Magnesium	Chemistry Analyzer	mEq/L	As Reported	2.8
Osmolality	Osmometer	mOsm/kg H <sub>2</sub> O	As Reported	305.0
pH	pH Meter		As Reported	7.3
Phosphorus	Chemistry Analyzer	mg/dL	As Reported	10.0
Potassium	Chemistry Analyzer	mEq/L	As Reported	12.9
Sodium	Chemistry Analyzer	mEq/L	As Reported	133.0
Total Protein	Chemistry Analyzer	g/dL	As Reported	3.6
Triglyceride	Chemistry Analyzer	mg/dL	As Reported	71.0
Urea Nitrogen (BUN)	Chemistry Analyzer	mg/dL	As Reported	14.0
Uric Acid	Chemistry Analyzer	mg/dL	As Reported	2.3

### 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

# NEUROMICS

## CERTIFICATE OF ANALYSIS

### Tet-Free Fetal Bovine Serum

<b>Batch/Lot No:</b>	N23N11-T	<b>Expiration Date:</b>	September 2028
<b>Catalog No:</b>	FBS001-T	<b>Storage:</b>	≤ -10°C
<b>Country of Raw Material Origin:</b>	United States	<b>Appearance:</b>	Clear straw to amber liquid
<b>Country of Final Manufacturing:</b>	United States	<b>Filtration:</b>	Triple 0.1 um membrane filtered
<b>Date of Manufacture:</b>	September 2019		

#### Antibiotic

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

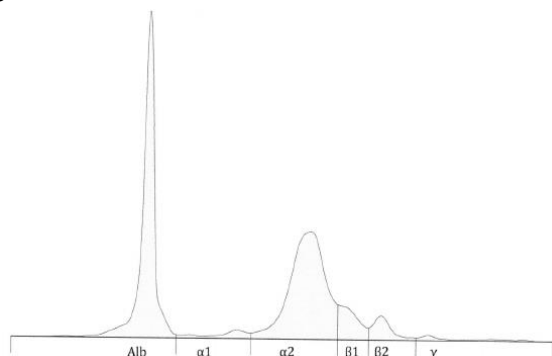
#### Viral Testing

Test	Methodology	Specification	Results
Blue Tongue	9CFR 113.53, 113.46, 113.47	Not Detected	Not Detected
Bovine Adeno 3	9CFR 113.53, 113.46, 113.47	Not Detected	Not Detected
Bovine Adeno 5	9CFR 113.53, 113.46, 113.47	Not Detected	Not Detected
BPV	9CFR 113.53, 113.46, 113.47	Not Detected	Not Detected
BRSV	9CFR 113.53, 113.46, 113.47	Not Detected	Not Detected
BVD, Cytopathic	9CFR 113.53, 113.46, 113.47	As Reported	Not Detected
BVD, Non-Cytopathic	9CFR 113.53, 113.46, 113.47	As Reported	Not Detected
Cytopathic (IBR)	9CFR 113.53, 113.46, 113.47	Not Detected	Not Detected
Hemadsorbing (PI3)	9CFR 113.53, 113.46, 113.47	Not Detected	Not Detected
Rabies	9CFR 113.53, 113.46, 113.47	Not Detected	Not Detected
REO Virus	9CFR 113.53, 113.46, 113.47	Not Detected	Not Detected

#### Protein Electrophoresis

Test	Unit of Measure	Specification	Results
Albumin	g/dL	As Reported	1.5
Alpha Globulins	g/dL	As Reported	1.6
Beta Globulins	g/dL	As Reported	0.4
Gamma Globulins	g/dL	As Reported	0.1

#### Profile Electrophoreses



# NEUROMICS

## CERTIFICATE OF ANALYSIS

### Tet-Free Fetal Bovine Serum

<b>Batch/Lot No:</b>	N23N11-T	<b>Expiration Date:</b>	September 2028
<b>Catalog No:</b>	FBS001-T	<b>Storage:</b>	≤ -10°C
<b>Country of Raw Material Origin:</b>	United States	<b>Appearance:</b>	Clear straw to amber liquid
<b>Country of Final Manufacturing:</b>	United States	<b>Filtration:</b>	Triple 0.1 um membrane filtered
<b>Date of Manufacture:</b>	September 2019		

#### Hormone Panel

Test	Unit of Measure	Specification	Results
Cortisol	ug/dL	As Reported	0.214
Insulin	uIU/mL	As Reported	6.100
Progesterone	ng/mL	As Reported	< 0.06
T3	ng/dL	As Reported	173.0
T4	ug/dL	As Reported	14.8
Testosterone	ng/mL	As Reported	< 0.01

#### Biological Performance

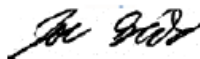
Test	Unit of Measure	Specification	Results
Cell Type: SP2/0-Ag14 Day 3	%	For Information	116.1
Cell Type: MRC-5 Day 5	%	For Information	98.2
Cell Type: CHO K1 Day 3	%	For Information	143.1
Relative Colony Forming Efficiency	%	For Information	100.3
Absolute Colony Forming Efficiency	%	For Information	66.5
Relative Cloning Efficiency	%	For Information	96.3
Absolute Cloning Efficiency	%	For Information	54.7

#### Test results reviewed and approved by\*



October 31, 2023

Approved by/Date



November 1, 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.*