

**CERTIFICATE OF ANALYSIS**

**Lipid Depleted Fetal Bovine Serum**

<b>Batch/Lot No:</b>	N22U52-L	<b>Expiration Date:</b>	December 2027
<b>Catalog No:</b>	FBS005-L	<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 μm filtered
<b>Date of Manufacture:</b>	December 2022		

**Chemical Parameters**

Test	Methodology	Unit of Measure	Specification	Results
Alkaline Phosphatase	Chemistry Analyzer	IU/L	As Reported	232
ALT (SGPT)	Chemistry Analyzer	IU/L	As Reported	13
AST (SGOT)	Chemistry Analyzer	IU/L	As Reported	78
Bilirubin	Chemistry Analyzer	mg/dL	As Reported	0.1
Calcium	Chemistry Analyzer	mg/dL	As Reported	13.3
Cholesterol	Chemistry Analyzer	mg/dL	As Reported	< 4
Chloride	Chemistry Analyzer	mEq/L	As Reported	98.0
Creatinine	Chemistry Analyzer	mg/dL	As Reported	2.4
GGT	Chemistry Analyzer	IU/L	As Reported	1.0
Glucose	Chemistry Analyzer	mg/dL	As Reported	121.0
Hemoglobin	USP <90>	mg/dL	As Reported	6.74
Iron	Chemistry Analyzer	ug/dL	As Reported	172.0
LDH	Chemistry Analyzer	IU/L	As Reported	707.0
Magnesium	Chemistry Analyzer	mEq/L	As Reported	2.6
Osmolality	Osmometer	mOsm/kg H <sub>2</sub> O	As Reported	316.0
pH	pH Meter		As Reported	7.70
Phosphate	Chemistry Analyzer	mg/dL	As Reported	10.6
Potassium	Chemistry Analyzer	mEq/L	As Reported	12.7
Sodium	Chemistry Analyzer	mEq/L	As Reported	132.0
Total Protein	Chemistry Analyzer	g/dL	As Reported	3.3
Triglyceride	Chemistry Analyzer	mg/dL	As Reported	71.0
Urea Nitrogen (BUN)	Chemistry Analyzer	mg/dL	As Reported	15.0
Uric Acid	Chemistry Analyzer	mg/dL	As Reported	2.6

**Microbiological Parameters**

Test	Methodology	Unit of Measure	Specification	Results
Endotoxin	LAL	EU/mL	As Reported	313.0
Sterility				
Bacteria	9CFR 113.26		No Growth	No Growth
Fungi	9CFR 113.26		No Growth	No Growth

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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**

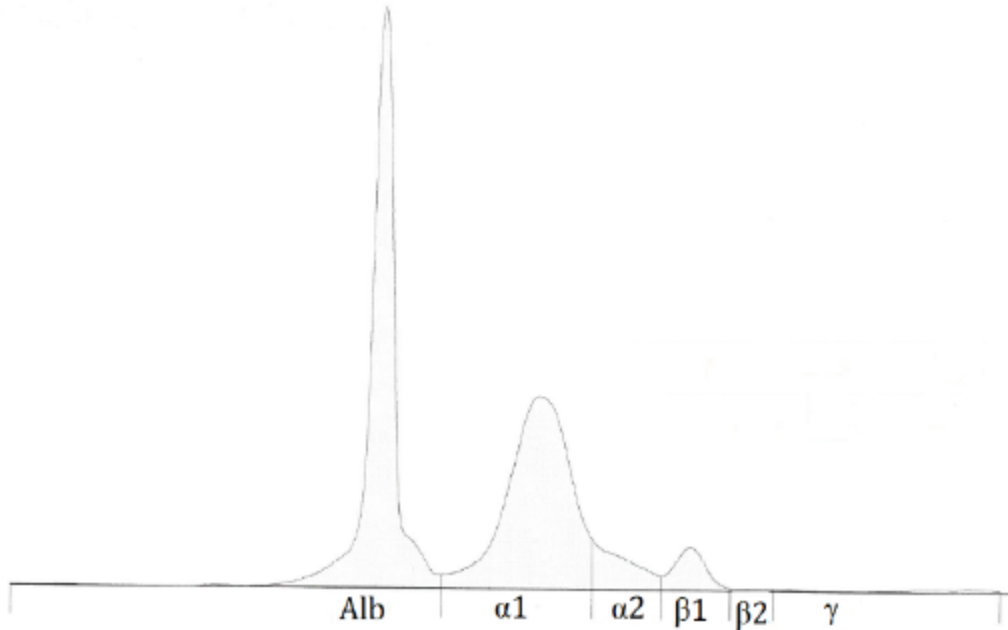
Test	Unit of Measure	Specification	Results
Albumin	g/dL	As Reported	1.6
Alpha Globulins	g/dL	As Reported	1.5
Beta Globulins	g/dL	As Reported	0.2
Gamma Globulins	g/dL	As Reported	0.0

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**Profile Electrophoresis**



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



January 6, 2023

Approved by/Date



January 9, 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.*