CERTIFICATE OF ANALYSIS

GenClone Fetal Bovine Serum

Lot No: 0725N001
Catalog No: 25-550, 25-550H
Country of Raw Material Origin: Nicaragua
Date of Manufacture: July 2025

Expiration Date: July 2030
Storage: ≤ -10°C
Appearance: Clear Straw to Amber Liquid
Filtration: Triple 0.1µm

Microbiological Parameters

Test	Methodology	Unit of Measure	Specifications	Results
Endotoxin	LAL	EU / mL	As Reported	9.49
Mycoplasma	PCR		Not Detected	Not Detected
Sterility				
Bacteria	9CFR 113.26		No Growth	No Growth
Fungi	9CFR 113.26		No Growth	No Growth

Chemical Parameters

Test	Methodology	Unit of Measure	Specifications	Results
Alkaline Phosphatase	Chemistry Analyzer	IU/L	As Reported	268
ALT (SGPT)	Chemistry Analyzer	IU/L	As Reported	8
AST (SGOT)	Chemistry Analyzer	IU/L	As Reported	55
Bilirubin	Chemistry Analyzer	mg/dL	As Reported	0.2
Calcium	Chemistry Analyzer	mg/dL	As Reported	14
Cholesterol	Chemistry Analyzer	mg/dL	As Reported	33
Chloride	Chemistry Analyzer	mEq/L	As Reported	98
Creatinine	Chemistry Analyzer	mg/dL	As Reported	2.9
GGT	Chemistry Analyzer	IU/L	As Reported	5
Glucose	Chemistry Analyzer	mg/dL	As Reported	58
Hemoglobin	USP <90>	mg/dL	As Reported	15
IgG	ELISA	mg/dL	As Reported	11.4
Iron	Chemistry Analyzer	µg/dL	As Reported	163
LDH	Chemistry Analyzer	IU/L	As Reported	659
Magnesium	Chemistry Analyzer	mEq/L	As Reported	2.5
Osmolality	Osmometer	mOsm/kg H_2O	As Reported	306
pH	pH Meter		As Reported	7.4
Potassium	Chemistry Analyzer	mEq/L	As Reported	10.9
Sodium	Chemistry Analyzer	mEq/L	As Reported	137
Total Protein	Chemistry Analyzer	g/dL	As Reported	3.7
Triglyceride	Chemistry Analyzer	mg/dL	As Reported	54
Urea Nitrogen (BUN)	Chemistry Analyzer	mg/dL	As Reported	20
Uric Acid	Chemistry Analyzer	mg/dL	As Reported	1.0

Protein Electrophoresis

Test	Unit of Measure	Specifications	Results
Albumin	g/dL	As Reported	1.7
Alpha Globulins	g/dL	As Reported	1.0
Beta Globulins	g/dL	As Reported	1.0

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Gamma Globulins	g/dL	As Reported	0

Viral Testing

Test	Methodology	Specifications	Results
Blue Tongue Virus	9CFR 113.53c, 113.46, 113.47	Not Detected	Not Detected
Bovine Adeno Virus	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	9CFR 113.53c, 113.46, 113.47	As Reported	Not Detected
Cytopathic Effect	9CFR 113.53c, 113.46, 113.47	As Reported	Not Detected
Hemadsorption	9CFR 113.53c, 113.46, 113.47	As Reported	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
IBR	9CFR 113.53c, 113.46, 113.47	Not Detected	Not Detected
Parainfluenza 3 (PI3)	9CFR 113.53c, 113.46, 113.47	Not Detected	Not Detected
Vesicular Stomatitis Virus	9CFR 113.53c, 113.46, 113.47	Not Detected	Not Detected

Hormone Panel

Test	Unit of Measure	Specifications	Results
Insulin	uIU/mL	As Reported	4.69
Progesterone	ng/mL	As Reported	< 0.06
T4	µg/dL	As Reported	13.7
Testosterone	ng/mL	As Reported	<0.01

Biological Performance

Test	Unit of Measure	Specifications	Results
Growth PromotionCell Type: MRC-5 Cell Type: L929	%	For information	111.9
Relative Colony Forming Efficiency	%	For information	105.4
Absolute Colony Forming Efficiency	%	For information	78
Relative Cloning Efficiency	%	For information	Pending
Absolute Cloning Efficiency	%	For information	Pending

Quality Assurance **04.01.2026**

*Genesee Scientific relies on our supplier's third-party testing results. While these results are believed to be accurate they have not been independently verified by Genesee Scientific.