

Product Name: Fetal Bovine Serum**Art. No.:** 04-001-1C(50mL) / 04-001-1E(500mL)

Lot No.	0225025	Country of Origin	Costa Rica
Expiration Date	November 2029	Date of Manufacture	November 2024
Storage	≤-10°C	Country of Manufacturing	United States
Triple 0.1µm sterile filtered			

Biochemical Testing			
Test	Units	Specification	Results
Albumin	g/dL	Check and Record	1.7
Alkaline Phosphatase	IU/L	Check and Record	325
ALT (SGPT)	IU/L	Check and Record	7
AST (SGOT)	IU/L	Check and Record	38
Bilirubin	mg/dL	Check and Record	0.1
Calcium	mg/dL	Check and Record	14.4
Chloride	mEq/L	Check and Record	99
Cholesterol	mg/dL	Check and Record	32
Creatinine	mg/dL	Check and Record	2.9
Gamma-Glutamyl Transferase (GGT)	IU/L	Check and Record	7
Glucose	mg/dL	Check and Record	59
Hemoglobin	mg/dL	0.00 - 20.00	9.053
Lactate Dehydrogenase (LDH)	IU/L	Check and Record	470
Magnesium	mEq/L	Check and Record	2.7
Osmolality	mg/kg H ₂ O	280 - 340	307
pH		6.9 - 7.8	7.2
Phosphorus	mg/dL	Check and Record	8.4
Potassium	mEq/L	Check and Record	9.6
Sodium	mEq/L	Check and Record	139
Total Protein	g/dL	3.0 - 5.0	3.7
Triglyceride	mg/dL	Check and Record	56
Urea Nitrogen (BUN)	mg/dL	Check and Record	17
Uric Acid	mg/dL	Check and Record	1.3

Microbiological Testing			
Test	Units	Specification	Results
Endotoxin	EU/mL	0.00 - 10.00	0.837
IgG	mg/L	0.0 - 400.0	105.8
Mycoplasma		Negative	Negative
Sterility-Bacteria		No Growth	No Growth
Sterility-Fungi		No Growth	No Growth
Tetracycline	ng/mL	Check and Record	<1.0

Viral Testing			
Test	Units	Specification	Results
Blue Tongue		Negative	Negative
Bovine Adeno 1		Negative	Negative
Bovine Adeno 3		Negative	Negative
Bovine Adeno 5		Negative	Negative
BPV		Negative	Negative
BRSV		Negative	Negative
BVD, Cytopathic		Negative	Negative
BVD, Non-Cytopathic		Negative	Negative
Cytopathic (IBR)		Negative	Negative
Hemadsorbing (PI3)		Negative	Negative
Rabies		Negative	Negative
REO Virus		Negative	Negative

Biological Performance			
Test	Units	Specification	Results
Cell Type: SP2/0-Ag14 Day 3	%	As Reported	90.6
Cell Type: MRC-5 Day 5	%	As Reported	98.2
Cell Type: CHO K1 Day 3	%	As Reported	108.6
Relative Colony Forming Efficiency	%	As Reported	90.3
Relative Cloning Efficiency	%	As Reported	123.5

Quality Control Department

Approved by  Date: January 6, 2025

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