

## Certificate of Analysis

Date of Manufacture: June 01, 2023  
 Expiration Date: June 01, 2028  
 Product Description: **Newborn Bovine Calf Serum**  
**0.22 µm filtered**  
 For Research or Further Manufacturing Use Only  
 Lot Number: **BBN3152101**  
 SKU Number: **66520**

### Analysis

<u>Analyte</u>	<u>Specification</u>	<u>Result</u>	<u>Method</u>
Appearance	Clear amber viscous liquid with characteristic odor	Pass	Visual Inspection
pH	6.5 to 8.5	7.1	Neat (Ambient)
Protein	For Information Only	62 g/L	Chemistry Analyzer
Hemoglobin	≤ 25mg/dL	21 mg/dL	Spectrophotometer
Osmolality	240-340 mOsmol/kg	290 mOsmol/kg	Osmometer
Sterility	No Growth Detected	Pass	ISO 11737-2
Mycoplasma	None Detected	None Detected	Large Volume Barile Method and DNA Fluorochrome Staining Assay
Endotoxin	≤ 10 EU/mL	<0.5 EU/mL	LAL
BVD Virus	None Detected	None Detected	9 CFR 113.53
Cytopathogenic Agents	Negative	Negative	9 CFR 113.53
Hemadsorbing Agents	Negative	Negative	9 CFR 113.53

Name  
 Quality Department

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Albumin	For Information Only	27 g/L	BCG
AST	For Information Only	42 IU/L	Enzymatic, Kinetic
B-OHB (BHB)	For Information Only	0.18 mmol/L	BHB dehydrogenase/INT
Bicarbonate	For Information Only	23 mmol/L	Enzymatic, Endpoint
Calcium	For Information Only	2.76 mmol/L	Arsenazo III, Endpoint
Chloride	For Information Only	105 mmol/L	ISE
CK	For Information Only	213 IU/L	Enzymatic, Kinetic
Creatine	For Information Only	68 µmol/L	Alkaline picrate/Modified Jaffe
GGT	For Information Only	537 IU/L	Enzymatic, Endpoint
GLDH	For Information Only	22 IU/L	Enzymatic, Kinetic
Magnesium	For Information Only	0.90 mmol/L	Xylidyl-Enzymatic, Endpoint
Phosphorus	For Information Only	2.48 mmol/L	Non-Enzymatic, Endpoint
Sodium	For Information Only	141 mmol/L	ISE
Urea (BUN)	For Information Only	4.8 mmol/L	Enzymatic, Kinetic
Glucose	For Information Only	5.40 mmol/L	Hexokinase/G-6PDH, Endpoint

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