

CERTIFICATE OF ANALYSIS

FOETAL BOVINE SERUM – STERILE



BOVOGEN BIOLOGICALS

CERTIFICATE OF ANALYSIS

Product: Foetal Bovine Serum - Sterile
Product Code: SFBS-CO
Lot No: S00L4
Manufacture date: February, 2022
Expiration date: February, 2027
Country of Origin: Colombia
Filtration: Triple 0.1µm filtered
Storage requirements: Product to be stored at -15°C to -40°C

GENERAL SPECIFICATIONS

General

<u>Test</u>	<u>Method</u>	<u>Units</u>	<u>Specification</u>	<u>Results</u>
Appearance		N/A	Clear straw to amber liquid	Clear straw to amber liquid
pH	Internal validated method	N/A	6.7 – 8.0	7.45
Osmolality	EU Ph. 2.2.35	mOsm/kg	260 -340	308
Hemoglobin	Internal validated method	mg/100mL	< 35	14.33
Total Protein	Biuret colorimetry	g/L	30 -50	38.1
Total IgG	ELISA	µg/mL	< 400	101.0
Endotoxin	EU Ph. 2.6.14	EU/mL	< 30	0.385
Bacteria and Fungi	Culture	N/A	Not detected	Not detected

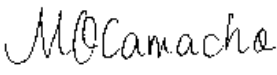
Viruses / Mycoplasma

<u>Test</u>	<u>Method</u>	<u>Units</u>	<u>Specification</u>	<u>Results</u>
Mycoplasma	Culture	N/A	Not detected	Not detected
Bovine Viral Diarrhoea Virus (BVDV)	Cell culture and IFA	N/A	Not detected	Not detected
Cytopathic effects (IBR)	Cell culture	N/A	Not detected	Not detected
Haemadsorption (PI-3)	Cell culture	N/A	Not detected	Not detected

Biochemical Assay**General / Protein Test**

	Units	Specification	Results
Alkaline Phosphatase (ALP)	IU/L	As reported	334
Albumin	g/L	As reported	16.9
Bilirubin	mg/dL	As reported	0.18
Calcium	mg/dL	As reported	13.8
Chloride	mmol/L	As reported	100
Cholesterol	mg/dL	As reported	35
Creatinine	mg/dL	As reported	2.7
Gamma GT	IU/L	As reported	7
Globulins (Alpha)	g/L	As reported	15.2
Globulins (Beta)	g/L	As reported	5.5
Globulins (Gamma)	g/L	As reported	0.6
Glucose	mg/dL	As reported	73.0
Iron	µg/dL	As reported	151
LDH	IU/L	As reported	598
Phosphorus	mg/dL	As reported	8.8
Potassium	mmol/L	As reported	11.5
SGOT	IU/L	As reported	29
SGPT	IU/L	As reported	6
Sodium	mmol/L	As reported	135
Triglyceride	mg/dL	As reported	62.0
Urea	mg/dL	As reported	40
Uric acid	mg/dL	As reported	1.9

QUALITY ASSURANCE

M. Camacho (Quality Assurance Manager)	Sign & date:  28/03/2023
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