

CERTIFICATE OF ANALYSIS

FOETAL BOVINE SERUM – STERILE



BOVOGEN BIOLOGICALS

CERTIFICATE OF ANALYSIS

Product: Foetal Bovine Serum - Sterile
Product Code: SFBS-F
Lot No: S00OH
Manufacture date: February, 2023
Expiration date: February, 2028
Country of Origin: France
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	7.46
Osmolality	EU Ph. 2.2.35	mOsm/kg	260 -340	310
Hemoglobin	Internal validated method	mg/100mL	< 35	16.54
Total Protein	Biuret colorimetry	g/L	30 -50	35.0
Total IgG	ELISA	µg/mL	< 400	104.0
Endotoxin	EU Ph. 2.6.14	EU/mL	< 30	1.279
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

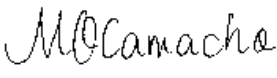
Biochemical Assay

<u>General / Protein Test</u>	<u>Units</u>	<u>Specification</u>	<u>Results</u>
Alkaline Phosphatase (ALP)	IU/L	As reported	256
Bilirubin	mg/dL	As reported	0.24
Calcium	mg/dL	As reported	13.9
Chloride	mmol/L	As reported	103
Cholesterol	mg/dL	As reported	34
Creatinine	mg/dL	As reported	2.8
Gamma GT	IU/L	As reported	6
Glucose	mg/dL	As reported	138.0
Iron	µg/dL	As reported	201
LDH	IU/L	As reported	617
Phosphorus	mg/dL	As reported	10.9
Potassium	mmol/L	As reported	14.6
SGOT	IU/L	As reported	57
SGPT	IU/L	As reported	10
Sodium	mmol/L	As reported	129
Triglyceride	mg/dL	As reported	86
Urea	mg/dL	As reported	30
Uric acid	mg/dL	As reported	3.2

Protein Electrophoresis

<u>Test</u>	<u>Method</u>	<u>Units</u>	<u>Specification</u>	<u>Results</u>
Albumin	Immunoturbidimetry	g/L	As reported	15.2
Globulins (Alpha)	Immunoturbidimetry	g/L	As reported	13.8
Globulins (Beta)	Immunoturbidimetry	g/L	As reported	5.6
Globulins (Gamma)	Immunoturbidimetry	g/L	As reported	0.4

QUALITY ASSURANCE

M. Camacho (Quality Assurance Manager)	Sign & date:  19/09/2023
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