

CERTIFICATE OF ANALYSIS

FETAL BOVINE SERUM TETRACYCLINE NEGATIVE

EU APPROVED

Cat N.: ECS0182L
ECS0182D

Batch N.: EUS00QV
Expiry Date: 15/10/2028

PHYSICAL AND CHEMICAL ANALYSIS

	RESULTS
APPEARANCE	Clear straw to amber liquid
pH	7.51
OSMOLALITY ^[1]	318 mOsm/Kg
ENDOTOXIN ^[2]	< 0.200 EU/ml
HAEMOGLOBIN	9.02 mg/100ml

PROTEIN PROFILE

	RESULTS
TOTAL PROTEIN ^[3]	38.4 g/l
ALBUMIN ^[4]	19.0 g/l
α-GLOBULIN ^[4]	17.1 g/l
β-GLOBULIN ^[4]	2.2 g/l
γ-GLOBULIN ^[4]	0.1 g/l
IgG ^[5]	250.0 mg/l

STERILITY TESTING

	SPECIFICATIONS	RESULTS
BACTERIA AND FUNGI ^[6]	NOT DETECTED	NOT DETECTED
MYCOPLASMA ^[6]	NOT DETECTED	NOT DETECTED

VIRUS TESTING

	SPECIFICATIONS	RESULTS
BOVINE VIRAL DIARRHOEA VIRUS (BVD-V) ^[7]	NOT DETECTED	NOT DETECTED
BOVINE HERPES VIRUS (BHV-1) ^[*] ^[7]	NOT DETECTED	NOT DETECTED
PARAINFLUENZA TYPE 3 (PI-3) ^[**] ^[7]	NOT DETECTED	NOT DETECTED

ANTIBIOTICS/ANTIMYCOTICS

	RESULTS
CHLORTETRACYCLINE ^[9]	< 0.01 mg/l
OXYTETRACYCLINE ^[9]	< 0.01 mg/l
TETRACYCLINE ^[9]	< 0.01 mg/l
DOXYCYCLINE ^[9]	< 0.01 mg/l

CELL CULTURE TEST

CELL LINE	MRC-5 (Human Lung Fibroblasts)
	RESULTS
CELL GROWTH 3 RD DAY	102%
CELL GROWTH 6 TH DAY	96%

ORIGIN: PARAGUAY

REFERENCES

- [1] Freezing-Point EU Ph. 2.2.35
- [2] Chromokinetic test Method D of EU Ph. 2.6.14
- [3] Colorimetry (Biuret)
- [4] Immunoturbidimetry
- [5] ELISA Test
- [6] Culture
- [7] Cell culture observation
- [8] IFA
- [9] Liquid chromatography electrospray ionisation tandem mass spectrometry (LC-MS/MS)
- [*] Cytophatogenic agents
- [**] Haemadsorbing agents

ALL FETAL BOVINE SERA ARE COLLECTED FROM REGISTERED SLAUGHTERHOUSES UNDER THE SUPERVISION OF GOVERNMENT VETERINARY AUTHORITIES.
ALL SERA ARE COLLECTED FROM EU APPROVED COUNTRIES.

This document has been produced electronically and is valid without a signature

Francesca Carlino
Quality Assurance Dept.

Date: 23/10/2025

ECS0182_batch_EUS00QV_rev0

Page 2 of 2