



# ACC

Austral Cell Culture

Fetal bovine serum Sterile  
Triple 0.1 um Filtered

Certificate of analysis

Manufactured by: Tecnoblen S.A



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ISO 9001:2015 CERTIFIED N.º 24MS121202

[www.austral-cellculture.com](http://www.austral-cellculture.com)

Batch N°:

Filtration Date:

Expiration Date:

Country of origin: Uruguay

Storage temperature: -18°C

## Analysis results

TEST	TEST ID	SPECIFICATION	RESULT	UNITS
Appearance	Visual Inspection	Golden yellow/Clear Amber/reddish		-
Sterility: Bacteria and fungi	USP <71>	Not detected		-
Endotoxin	USP <85>	<10		EU/mL
Hemoglobin	<857>	<30		mg/dL
Osmolality	USP <785>	280-360		mOsm/Kg
pH	USP <791>	7.0-8.0		-
Total Protein	USP <1057>	3.0-4.5		g/dL
IgG	USP <1103>	<50		mg/dL

BVDV -Bovine Viral Diarrhea Virus	USP <1103>	Not Detected	-
Bluetongue Virus	USP <1103>	Not detected	-
Foot and Mouth Disease Virus	USP <1103>	Not detected	-

For research or further manufacturing use only.

All fetal bovine blood is collected from fetuses derived from healthy animals that have passed pre and post-mortem veterinary inspection. All fetal bovine serum is traceable by date and place of collection.

Full traceability of raw materials and manufacturing records is maintained.

All tests reported in this Certificate of Analysis were performed according to validated internal procedures of **ACC - Austral Cell Culture**.

**References:**

USP <90>: Fetal Bovine Serum- Quality attributes and Functionality Tests.

USP <71>: Sterility tests, Direct Inoculation.

USP<85> : Analytical technique for the determination of bacterial endotoxins by turbidimetric kinetic method. Bacterial Endotoxins Test EP 2.6.14.

<857>: Hemoglobin content USP <90>. Three Wavelength Polychromatic Analysis.

USP <785>: Osmolality and Osmolarity.

USP <791>: Calibrated digital Electrode pH Meter.

USP <1057>: Protein Determination. Tietz, Norbert W. Biuret Method for the Determination of Total Protein in Serum and Exudates. Fundamentals of Clinical Chemistry, 1976, pages 302-304.

USP <1103>: Immunological Test Methods. Enzyme-Linked Immunosorbent Assay (ELISA).

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*Date:*