

# Adult Bovine Serum

## Newborn Bovine Calf Serum

SKU 69500 (ABS) | 69520 (NBCS)

### SCIENTIFIC ANALYSIS

#### ADULT BOVINE SERUM

ATTRIBUTE	SPECIFICATION
Total Protein	As Reported
Endotoxin	≤10 EU/mL
pH	6.5 to 8.5
Osmolality	240–330 mOsm/kg
Haemoglobin	≤50 mg/dL
Virus Testing	OMAR/9CFR*
Asepsis	None Detected
BVDV	None Detected
Mycoplasma	None Detected
Pathogen Inducing Cytopathy	None Detected
Pathogen Inducing Haemadsorption	None Detected

\*9CFR available upon request

#### NEWBORN BOVINE CALF SERUM

ATTRIBUTE	SPECIFICATION
Total Protein	>45 g/kg
Endotoxin	≤10 EU/mL
pH	6.5 to 8.5
Osmolality	240–330 mOsm/kg
Haemoglobin	≤25 mg/dL
Virus Testing	OMAR/9CFR*
Asepsis	None Detected
BVDV	None Detected
Mycoplasma	None Detected
Pathogen Inducing Cytopathy	None Detected
Pathogen Inducing Haemadsorption	None Detected

### PROCESS BENEFITS

- Origin Traceability to Facilitate Regulatory Approval
- Closed-Loop Manufacturing\*
  - Eliminates the possibility of contamination and maximizes reproducibility
- Product Development and Technical Services designed for maximum responsiveness and flexibility

### QUALIFICATIONS

- Manufactured from MPI/USDA-registered abattoirs
- Manufactured According to FDA cGMPs.
- MPI/USDA/APHIS Registered for Shipment to the EU

### APPLICATIONS

- Suitable for a variety of cell culture applications, including:
  - Cell proliferation and viability assays
  - Fetal Bovine Serum (FBS) extender
  - Media supplement for vaccine production and further manufacturing
  - Biological reagent

Continued on the other side.

## DESCRIPTION

Proliant serums are collected at MPI-registered abattoirs and processed in our state-of-the-art facility in Feilding, New Zealand.

Proliant serums are collected and sterile filtered to minimize endotoxin levels, and are fully traceable and eligible for global export. The serum is thawed using a proven procedure to minimize bioburden and endotoxin. It is pooled and processed through a series of purification filters including a final sterilizing 0.2 micron filter. Proliant offers the largest lot sizes in the industry with unbeatable consistency and technical support.

## PHYSICAL CHARACTERISTICS

Proliant serums are a clear-to-slightly hazy and virtually particulate-free brownish-red solution.

## PACKAGING

Standard package sizes are 10L and 1L.

PACKAGE	SIZE
Standard	1L and 10L

## NOTE

Lot sizes available from 2000L to >15,000L.

## STORAGE RECOMMENTATIONS

Store frozen for up to 3 years.

## ORDERING INFORMATION

Please order by referencing:

10L:	69500 (ABS)	1L:	69500-1L (ABS)
	69520 (NBCS)		69520-1L (NBCS)

\*Proliant's unique **Closed-Loop** Manufacturing means that we collect only in exclusive abattoirs with our own USDA approved proprietary collection system. No other manufacturer can claim this important closed link, as they must buy their raw material from outside sources and the spot market. What's more, from the time our product enters our tankers to the moment it is loaded into the dryers, the product is not exposed to the external environment. Once the raw material reaches our cGMP plant, the material is loaded directly into our process and manufactured through a series of closed tanks, lines, filters and separation equipment. In our plant there are no exposed filter presses or open tanks, nor is any non-food grade or noxious solvent material introduced into the process. There is also no possibility of contamination with other animal-derived products or bovine tissues in our completely dedicated facility.