

# Bovine Serum Albumin

## Fatty-Acid Free, Azide Preserved, Cholesterol Enhanced Solution

SKU 68610

### SCIENTIFIC ANALYSIS

ATTRIBUTE	SPECIFICATION	TYPICAL
Protein	21% to 23%	21% to 23%
pH	7.0 to 7.2	7.0 to 7.2
Microbial Content	<1 cfu/mL	<1 cfu/mL
Cholesterol	280-350 mg/dl	280-350 mg/dl
Osmolality	295-345 mOsm/kg	295-345 mOsm/kg

Preserved with sodium azide 0.08 to 0.12%.

### PRODUCT BENEFITS

- High Purity, Low Interference, Low Background
- No Detectable IgG, Endotoxin, Enzyme or Protease Activity
  - Ensures assay integrity and component stability
- Superior Solubility/Filterability for Ease of Use

### 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 USDA-inspected bovine plasma
- Validated for Prion (TSE) Clearance
- USDA/APHIS Registered for Shipment to the EU
- Manufactured according to FDA cGMPs
- TSE Certificate of Suitability

### APPLICATIONS

- In-vitro diagnostics (IVD)
- Cell and microbial systems
- Protease-sensitive immunoassays such as:
  - RIA
  - EIA
  - Fluorescent
  - Chemiluminescent

Continued on the other side.

## DESCRIPTION

Proliant Bovine Serum Albumin (BSA) solutions are high purity, “Fraction V” solutions derived from the plasma of USDA inspected healthy animals from abattoirs located in the United States.

Proliant Fatty-Acid Free, Azide Preserved, Cholesterol Enhanced solution was developed as a direct replacement for MilliporeSigma MOD-U-CYTE® as a convenient, ready to use formulation. It's capabilities support protein standard, transport and binding applications, and is an exceptional blocker in diagnostics

\*MilliporeSigma MOD-U-CYTE® is a registered trademark of Merck KGaA.

## PHYSICAL CHARACTERISTICS

Proliant BSA solutions are a clear-to-slightly hazy and virtually particulate-free solution.

## PACKAGING

Standard package sizes are 10L and 1L. Sample sizes of 100 mL are available for evaluation.

PACKAGE	SIZE
Standard	1L and 10L
Sample	100 mL

## STORAGE RECOMMENTATIONS

Store at 2 to 8°C for up to 12 months from the date of manufacture.

## ORDERING INFORMATION

Please order by referencing:

10L:	68610
1L:	68610-1L

\*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.