

**Bovine Serum Albumin
 Ultra-High Monomer
 Standard Grade 30% Solution**

DESCRIPTION

Proliant Bovine Serum Albumin (BSA) Ultra-High Monomer Standard Grade 30% Solution is a high purity, lyophilized "Fraction V" liquid derived from the plasma of USDA-inspected healthy animals from abattoirs located in the USA. The solution was manufactured to be a convenient, ready to use formulation. The albumin is isolated from other plasma protein products and lipids by a unique proprietary, non-solvent procedure. The separation process includes a modified Cohn / heat-shock procedure designed to inactivate proteases and other potentially interfering enzymes. Further processing, such as extensive membrane dialysis and filtration, minimizes analytes that can cause background interference in sensitive in vitro diagnostic (IVD) assays as well as inhibition in sensitive cell and microbial culture systems. The process has been designed to help maintain the natural monomeric state of BSA for binding and transport applications, a higher uniformity blocker in diagnostics applications, and more homogeneity for protein standard applications.

APPLICATIONS

- Protease-sensitive Immunoassays such as RIA, EIA, Fluorescent and Chemiluminescent
- Protein Standard, Diluent
- Protein, Conjugate or Enzyme Stabilizer
- Protein Binding & Transport
- Hybridization
- Select Cell Culture applications

FEATURES / BENEFITS

- High Purity, Low Interference, Low Background
- Virtually No Detectable Protease Activity, Ensures Assay Integrity
- Origin Traceability to Facilitate Regulatory Approval
- "Closed Loop" Manufacturing* – Minimizes Contamination and Maximizes Reproducibility.
- Superior Solubility/Filterability for Ease of Use
- Product Development and Technical Services designed for maximum responsiveness and flexibility
- Manufactured from USDA-inspected Bovine Plasma
- Manufactured According to FDA cGMPs.
- USDA/APHIS Registered for Shipment to the EU

SCIENTIFIC ANALYSIS

	Specification
Protein	28% to 31%
pH	6.8 to 7.3
Sodium Chloride	0 to 0.5 g/dL
BlgG	None Detected
Protease	≤ 0.005 Units/mL
Microbial Content	< 1 cfu/mL

PHYSICAL CHARACTERISTICS

Proliant Bovine Serum Albumin is a clear to slightly hazy and virtually particulate-free solution.

PACKAGING

Standard package size is 1L and 10L. Samples for evaluation purposes are offered in 50 mL.

STORAGE RECOMMENDATIONS

Store frozen for up to 3 years from the date of manufacture.

ORDERING INFORMATION

Please order by product name "Bovine Serum Albumin Ultra-High Monomer Standard Grade 30% Solution" and refer to SKU # 68050-10L for 10L sizes and SKU 68050-1L for 1L sizes.

*Proliant's unique "Closed Loop" Manufacturing means that we collect only in exclusive abattoirs with our own USDA approved proprietary collection system. The material undergoes ante-and post-mortem inspection to ensure it is the highest edible grade before it is loaded directly into sealed tankers owned by Proliant. No other manufacturer can claim this important closed link, as they must buy their raw material from outside sources and the spot market.

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.

