

Bovine Serum Albumin

Sulfhydryl Blocked

SKU 69115

SCIENTIFIC ANALYSIS

| ATTRIBUTE | SPECIFICATION | TYPICAL |
|-------------------------|----------------------|----------------------|
| Protein (dry basis) | ≥98.0% | ≥99.0% |
| Purity (albumin) | ≥98.0% | 100% |
| Moisture | ≤5.0% | <2.0% |
| Sodium | ≤15.0 mg/g | ≤15.0 mg/g |
| Chloride | ≤6.0 mg/g | ≤6.0 mg/g |
| Free Sulfhydryl Content | ≤0.1 mol/mol albumin | ≤0.1 mol/mol albumin |
| pH (7% Solution) / Temp | 6.5–7.5 / Ambient | 6.8–7.2 / Ambient |
| Protease | None Detected | None Detected |
| IgG | None Detected | None Detected |

K, P, Ca are tested and can be reported on the Certificate of Analysis if requested.

PRODUCT BENEFITS

- Industry leading ultra-low free sulfhydryl content
- High Purity, Low Interference, Low Background
- No Detectable IgG, Enzyme or Protease Activity
 - Ensures assay integrity, component stability, and cell culture suitability
- 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 MPI-inspected bovine plasma
- Validated for Prion (TSE) Clearance
- MPI Registered for Shipment to the EU
- Manufactured according to FDA cGMPs
- TSE Certificate of Suitability

APPLICATIONS

- Acridinium ester chemiluminescence
- Enzymatic assays
- Thiol sensitive applications:
 - Quantification of thiol containing analytes
 - Chemiluminescent conjugations

Continued on the other side.

DESCRIPTION

Proliant Bovine Serum Albumin (BSA) is a high purity, lyophilized “Fraction V” powder derived from the plasma of MPI inspected healthy animals from abattoirs located in New Zealand.

Sulfhydryl Blocked BSA offers some of the most effective BSA through a manufacturing process that effectively blocks free thiol groups to provide a high monomer albumin and ensures less cross-reactivity. It can be used in acridinium ester chemiluminescence, and because it contains fatty acid and does not have residual EDTA, sulfhydryl blocked BSA is a great blocker for enzymatic assays.

PHYSICAL CHARACTERISTICS

Proliant BSA is a highly soluble white-to-yellow with tan-to-green cast lyophilized powder. A solution of up to 30% in de-ionized water is clear-to-slightly hazy and virtually particulate-free.

PACKAGING

Standard package sizes are 10 kg and 1 kg. Sample sizes of 100 g are available for evaluation.

| PACKAGE | SIZE |
|----------|---------------|
| Standard | 10 kg 1 kg |
| Sample | 100 g |

STORAGE RECOMMENDATIONS

Store sealed in cool, dry environment for 5 years.

ORDERING INFORMATION

Please order by referencing:

| | |
|--------|-----------|
| 10 kg: | 69115 |
| 1 kg: | 69115-1kg |

*Proliant's unique Closed-Loop Manufacturing means that we collect only in exclusive abattoirs with our own MPI 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.