

**Precision Grade - Fatty Acid Free  
Bovine Serum Albumin  
SKU: 69760**

Precision Grade - Fatty Acid Free Bovine Serum Albumin (BSA) is a high purity, lyophilized "Fraction V" powder derived from the plasma of MPI-inspected healthy New Zealand origin animals. The albumin is isolated from other plasma proteins by a unique proprietary, separation non-solvent procedure. The process includes a modified Cohn/ heat-shock procedure designed to inactivate proteases and other potentially interfering enzymes

**Applications**

- Diagnostic & research applications where enhanced sensitivity is required due to low NEFA specification
- Ideal for sensitive IVD assays susceptible to background interference
- Protease-sensitive immunoassays such as RIA, EIA, fluorescent and chemiluminescent
- Protein standard, diluent
- Protein, conjugate or enzyme stabilizer
- Hybridization
- Cell culture applications. Including development of serum-free media

**Features & Benefits**

- High purity, low interference, low background
- Fatty acid free
- Virtually no detectable protease activity, ensures Assay Integrity
- "Closed Loop" manufacturing, minimizes open air contamination & maximizes lot-to-lot consistency
- Superior solubility/filterability for ease of use
- Manufactured according to FDA cGMPs

**Scientific Analysis**

|                       | <b><u>Specification</u></b> | <b><u>Typical Values</u></b> |
|-----------------------|-----------------------------|------------------------------|
| Protein (dry basis)   | ≥ 98.0%                     | 99%                          |
| Purity (albumin)      | ≥ 98.0%                     | 100%                         |
| Fatty Acids (NEFA)    | ≤0.01%                      | None Detected                |
| Solubility (4% water) | Clear/slightly hazy         | Clear/slightly hazy          |
| Moisture              | ≤ 5.0%                      | < 2.0%                       |
| pH (10% water)        | 6.5-7.5                     | 6.8-7.2                      |
| Ash                   | < 2.0%                      | < 2.0%                       |
| Protease              | None Detected               | None Detected                |
| Endotoxin             | ≤ 3 EU/mg                   | 0.1 EU/mg                    |
| IgG                   | None Detected               | None Detected                |

**Physical Characteristics**

Proliant NZ Bovine Serum Albumin is a 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 size is 10kg.  
Smaller package sizes are available on request.

**Storage Recommendations**

Store sealed in a cool, dry environment

**Shelf Life**

5 years

**Disposal Information**

Non-hazardous SDS available upon request

**Ordering Information**

Please order by product name "Precision Grade - Fatty Acid Free Bovine Serum Albumin SKU # 69760". Product is available to ship from both New Zealand or US facility.