

Bovine Serum Albumin Sulfhydryl Blocked

Proliant's NZ Ltd Sulfhydryl Blocked Bovine Serum Albumin (BSA) is a high purity, lyophilized "Fraction V" powder derived from the plasma of MPI-inspected healthy New Zealand animals. 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. The proprietary process effectively blocks free thiol groups to provide a high monomer albumin. The product is free of IgG and protease.

APPLICATIONS

- Protease-sensitive Immunoassays (i.e. RIA, EIA, Fluorescent & Chemiluminescent)
- Protein Standard, Diluent
- Protein, Conjugate or Enzyme Stabilizer
- Thiol sensitive applications (quantification of thiol containing analytes, chemiluminescent assays, or conjugations)
- Selected cell culture applications

FEATURES/BENEFITS

- Free of reactive sulfhydryl groups
- Free of interfering immunoglobulins
- High purity, low interference, low background
- Virtually no detectable protease activity, ensures assay integrity
- Superior solubility/filterability for ease of use
- Manufactured from MPI inspected bovine plasma

SCIENTIFIC ANALYSIS

	<u>Specification</u>
Purity	≥ 98%
Protein (Dry Basis)	≥ 98%
Moisture	≤ 5.0%
BlgG	None Detected
Sodium	≤ 15.0 mg/g
Chloride	≤ 6.0 mg/g
Free Sulfhydryl Content	≤ 0.1 mol/mol albumin
pH (7% Solution)/Temp	6.5-7.5/Ambient
Protease	None Detected

PHYSICAL CHARACTERISTICS

Proliant NZ Bovine Serum Albumin is a highly soluble yellow to green 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 size is 10kg. Smaller packaging sizes are available upon request.

STORAGE RECOMMENDATIONS

Store sealed in a cool, dry environment for 5 years.

ORDERING INFORMATION

Please order by product name "Bovine Serum Albumin Lyophilized Powder Sulfhydryl Blocked" and refer to SKU 69115.

Date Last Revised: 10 May 2022