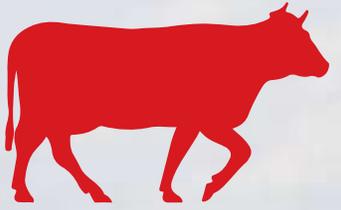
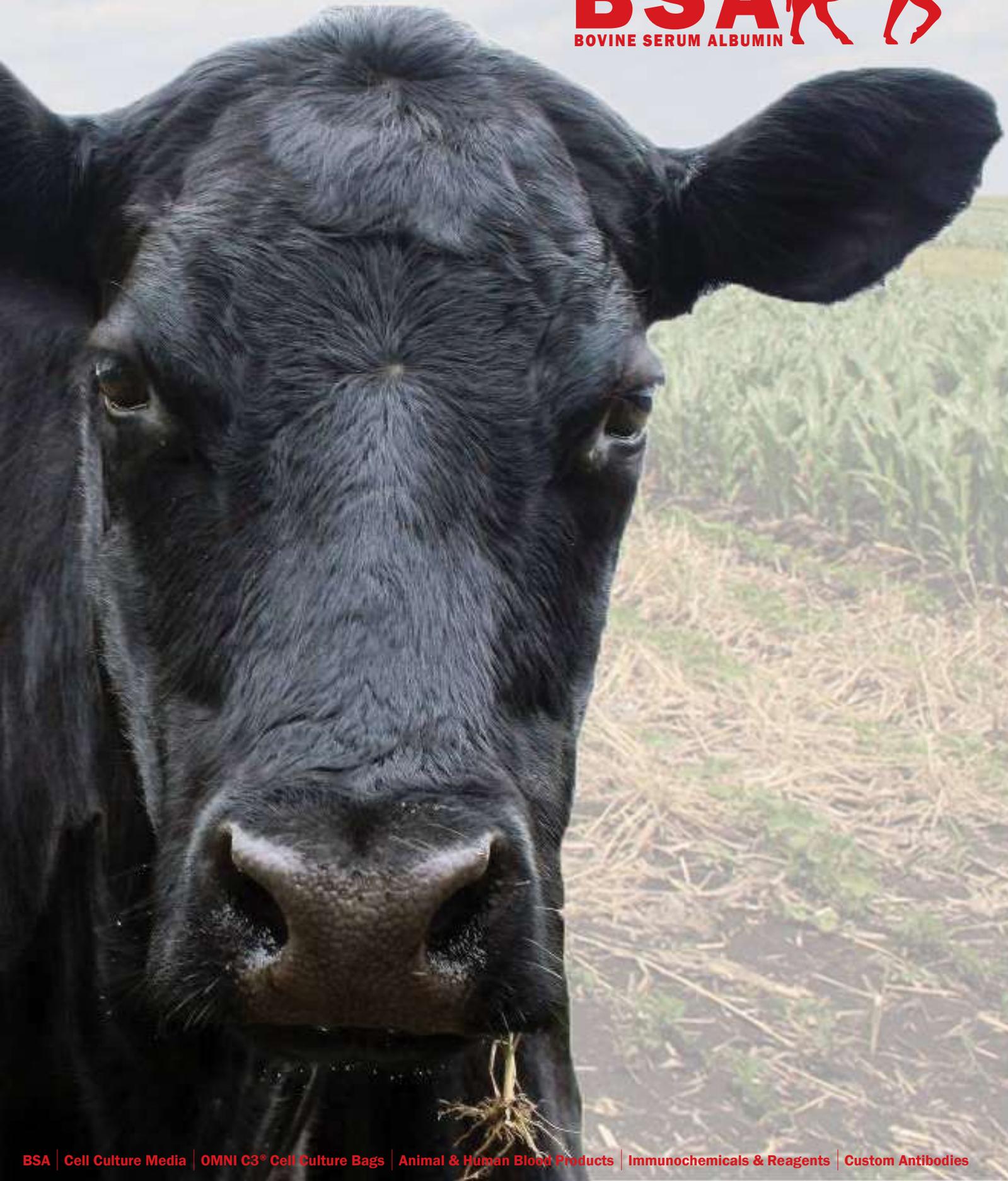


**LAMPIRE**  
**BSA**  
BOVINE SERUM ALBUMIN 



# BOVINE SERUM ALBUMIN

## WHY USE LAMPIRE BSA?

BSA with the highest level of consistency, traceability, and quality. These BSA line of products include material that is protease-free, IgG-free, and virtually free of contaminants that can result in background interference. Contains no detectable IgG, endotoxin, enzyme or protease activity, ensuring assay integrity, component stability and cell culture suitability. The Reagent Grade products are free of lipids and fatty acids. The manufacturing system used for BSA ensures that the total process, from raw material collection to finished packaging, results in a highly purified product that is virtually contaminant free, with superior solubility and filterability characteristics. Available in multiple package sizes. All products listed below are lyophilized. Inquire about our liquid product offerings and customizable concentration levels.

### Standard Grade - Lyophilized pH 7.0

- Ideal use: General diagnostics and research
- Applications: Immunoassays (EIA, RIA, etc.), Serology and Mammalian Cell Culture

### Standard Grade - Lyophilized pH 5.2

- Ideal use: Lower pH buffer formulations
- Applications: Immunoassays (EIA, RIA, etc.) and Immunohematology

### Reagent Grade - Lyophilized (Fatty Acid Free BSA)

- Ideal use: Isolation of lipids and fatty acids, such as hormone and cholesterol assays, providing maximum binding sites for the addition of specific fatty acids for cell culture
- Applications: Nucleic Acid-Based Assays, Immunoassays (EIA, RIA, etc.), Immunohematology and Serology

### Cohn Analog Grade - Lyophilized

- Ideal use: Microbial culture and reproductive biology
- Applications: Mammalian Cell Culture, Ex-Vivo Medical Devices and as a Protein Base or Filler

### New Zealand Standard Grade - Lyophilized pH 7.0

- Ideal use: Sensitive cell culture and diagnostic systems, isolation of lipids and fatty acids, such as hormone and cholesterol assays, providing maximum binding sites for the addition of specific fatty acids for cell culture
- Applications: Immunoassays (RIA, EIA, etc.), Hybridization, Protein Standard, Diluent, Conjugate or Enzyme Stabilizer
- Manufactured and sourced from New Zealand

### New Zealand Reagent Grade - Lyophilized (Fatty Acid Free BSA)

- Ideal use: Sensitive cell culture and diagnostic systems, isolation of lipids and fatty acids, such as hormone and cholesterol assays, providing maximum binding sites for the addition of specific fatty acids for cell culture
- Applications: Protease-sensitive Immunoassays (RIA, EIA, etc.), cell culture systems and nucleic acid-based assays
- Manufactured and sourced from New Zealand

## FEATURES & BENEFITS

- High purity, low interference, low background
- Low SPC bioburden minimizes introduction of bacterial enzymatic or endotoxin contamination
- Low IgG – must be absent from both pharmaceutical end products and diagnostic assays
- Protease Free – no damage to proteins, diagnostics or cells
- Excellent clarity & filterability – reduces processing problems and cost
- Low endotoxin – can be toxic to cells, critical for pharmaceutical end-products
- Traceable to source animals, easing regulatory approval and export documentation
- TSE Certificate of Suitability/Validation Study
- Virus (9CFR) and mycoplasma testing available upon request

## STORAGE RECOMMENDATIONS

Store sealed in a cool, dry environment for 3 years, and up to 5 years with re-qualification

## BSA APPLICATIONS

- **Diagnostics:**
  - Protein stabilizer
  - Coating agent to prevent non-specific binding of antibodies
  - Control/Calibrator matrix for diagnostic tests
- **Biotechnology/Pharma Cell Culture:**
  - Production of vaccines and antibodies
  - Therapeutic proteins
  - Nutrient
  - Detoxifier
  - Antioxidant
  - Carrier protein
- **Life Science Research:**
  - Cell culture
  - Immunochemistry
  - Protein chemistry
- **Veterinary Vaccine Manufacturer:**
  - Leptospira
  - Mycoplasma
  - Lyme Disease