

## Bovine Serum Albumin, BSA (Regular Grade)

Cat #: A-CSH004

Size: 5g, 100g, 500g

Storage: 2-8 °C (24 months)

### Product Description

<b>Product Name</b>	Bovine Serum Albumin, BSA (Regular Grade)
<b>Cat #</b>	A-CSH004
<b>CAS Number</b>	9048-46-8
<b>Product Source</b>	Derived from bovine serum using modern biochemical techniques for extraction and purification.
<b>Appearance</b>	Off-white lyophilized powder
<b>Total Protein Content</b>	≥ 95%
<b>Albumin Purity</b>	≥ 96%
<b>A<sub>403</sub> Value of 1% Aqueous Solution</b>	≤ 0.15
<b>Moisture Content</b>	≤ 3%
<b>Heavy Metals</b>	≤ 10 ppm (Calculated in Pb)
<b>pH Value</b>	6.5-7.5 (1% aqueous solution, 25°C)
<b>Solubility Test</b>	Dissolution time ≤ 10 min (10% aqueous solution, 25°C)
<b>Storage and Shelf Life</b>	Store at room temperature, protected from light and in a dry environment. Shelf life is 2 years.
<b>Features</b>	Ammonium sulfate is not used during production. The product exhibits high purity, good stability, and low batch-to-batch variation.

Bovine Serum Albumin (BSA), also known as Bovine albumin or Cohn Fraction V, is a widely used protein in laboratory experiments. BSA has extensive applications, particularly as a blocking agent in immunological assays such as ELISA and Western Blot (WB). As a carrier protein, cross-linking BSA to haptens and weak antigens enhances their immunogenicity in antibody production. BSA is commonly employed as a stabilizer in restriction enzyme digestion reactions, preventing enzyme adherence to tubes and tips. It is also utilized in biopharmaceutical manufacturing processes and serves as a nutrient in cell and microbial cultures. Additionally, BSA is used as a standard for protein quantification assays. Our BSA products are prepared using high-quality bovine serum through the heat shock method.

Regular Grade: Designed for use in general diagnostic reagents as a blocking agent and stabilizer.

## Notes

1. For cell experiments, after dissolution, it is necessary to filter the solution through a sterile disposable syringe filter to remove bacteria.
2. For your safety and health, please wear laboratory attire and disposable gloves when handling.

## Disclaimer

The reagent is only used in the field of scientific research, not suitable for clinical diagnosis or other purposes.