

# Data sheet

## Bovine Serum Albumin (BSA)

Cat. No: SUB001 (Powder)

Cat. No: SUB002 (Powder)

Cat. No: SUB010 (30% solution)

Cat. No: SUB011 (30% solution)

### Introduction

Albumin is the most abundant protein in the circulatory system (about 60% of the total protein content of plasma). The most important physiological function of serum albumin is to maintain the osmotic pressure and pH of blood, and transport a wide variety of endogenous and exogenous compounds including fatty acids, metal, amino acids, steroids and drugs. **Bovine Serum Albumin (BSA)** is a globular non-glycosylated protein, one of the few plasma proteins lacking carbohydrate groups, as it is synthesized in the liver without prosthetic groups or other additives.

### Applications

BSA is applicable for numerous biochemical applications including: ELISAs (Enzyme-Linked Immunosorbent Assay), immunoblots, and immunohistochemistry. Other applications include use as a protein concentration standard, DNA amplification, blood banking, nutrient in cell and microbial culture. Also used to stabilize some enzymes and to prevent adhesion of the enzyme to reaction tubes and other vessels.

### Product Size

Cat. No	Bovine Serum Albumin (BSA)
SUB001	20g
SUB002	50g
SUB010	20 ml
SUB011	50 ml

*BSA is Bovine Spongiform Encephalopathy (BSE) free.*

### Storage

BSA Powder (Lyophilized): Store at +2°C to +8°C, protected from light.

BSA liquid (30% solution): Store at +2°C to +8°C, protected from light. For longer term storage, aliquot into working volumes and store at -20°C. Avoid freeze/thaw cycles of solutions.

Shelf life : 36 months

### Specifications

#### BSA Powder (lyophilized)

Sterility :Non sterile,

Purity (Capillary electrophoresis) : ≥ 97%

pH : 6.5 – 7.4

#### BSA liquid (30% solution)

Sterility: Sterile filtered (tested for the absence of aerobic and anaerobic bacteria, fungi and yeast)

pH : 6.5 – 7.4

### PRODUCT USE LIMITATION

This product is developed, designed and sold exclusively for research purposes and in vitro use only. The product was not tested for use in diagnostics or for drug development, nor is it suitable for administration to humans or animals. Please refer to [www.canvaxbiotech.com](http://www.canvaxbiotech.com) for Material Safety Data Sheet of the product.

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## Notes