



## Bovine Serum Albumin (BSA), Fraction V

**Catalog No:** 01400  
**Lot No:** XXXXX  
**Cas No:** 9048-46-8  
**MW:** 67 kDa  
**Supplied as:** lyophilized  
**Stability:** store at +4°C

### Background

Bovine Serum Albumin (BSA), Fraction V is used for various biochemical applications including ELISA (Enzyme-Linked Immunosorbent Assay), high content screening assays, western blotting, and immunohistochemistry. BSA as a blocking reagent is particularly useful with casein-sensitive antibodies, such as phospho-specific antibodies. Also used as a nutrient in cell and microbial culture. In restriction digests, BSA is used to stabilize some enzymes during digestion of DNA and to prevent adhesion of the enzyme to reaction tubes and other vessels. BSA can also be used to determine the quantity of other proteins, by comparing an unknown quantity of protein to known amounts of BSA. One major application is the use as a stabilizing agent for proteins and enzymes including dilute solutions of antibodies.

### Tests

#### Appearance:

#### Solubility:

#### Protein (db):

#### Purity:

#### Loss on drying:

#### pH in solution (10%):

#### Ash:

#### Protease:

#### Bovine IgG:

#### Endotoxin (LAL):

#### Heavy metals (Pb):

#### Origin:

### Specifications

white to yellow with tan to green cast  
powder  
clear to slightly hazy faint yellow to  
yellow-green solution  
≥98%  
≥98%  
≤5.0%  
6.5 – 7.5  
<2 %  
≤0.005 units/mg  
none detected  
≤3 EU/mg  
≤10 ppm  
USA

### Usage

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