

**Tribo™ Bovine Serum Albumin 2% Solution (Catalog# TBS5048)****DESCRIPTION**

**Bovine Serum Albumin (BSA)** is a serum albumin protein that has numerous biochemical applications including ELISAs, immunoblots, high content screening assays, and immunohistochemistry. It is 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. This protein does not affect other enzymes that do not need it for stabilization. BSA is also commonly used to determine the quantity of other proteins, by comparing an unknown quantity of protein to known amounts of BSA.

The Tribo™ BSA Solution is formulated with bovine serum albumin Fraction V in 1x PBS (pH 7.0~ 7.4). It contains 2% bovine serum albumin Fraction V (20 mg/mL) in the buffer. The solution can be used for in vitro assays of molecular biology and protein assay.

**APPLICATIONS**

- Enzyme stabilization during purification and/or storage.
- Enzymatic reactions where the absence of nucleases are essential
- A blocking agent to minimize background in DNA and protein labeling experiments
- Prevents adhesion of enzymes to reaction tips and tube surfaces

**CONTENTS**

BSA Solution is supplied as 50 mL/each bottle, containing 2% Fraction V in 1x PBS (pH 7.0-7.4).

**Sterility:** The solution is sterilized and filtered with 0.2 µm filter.

**Storage conditions:** Store the solution at -20°C. Shelf life: 24 months after receipt.

**RELATIVE PRODUCTS**

Protein Assay Kit ( Catalog# TBS2005)  
Protein Lysis Buffer ( Catalog# TBS5001)  
Urea Solution (TBS5037)  
Ammonium Sulfate Solution (Catalog# TBS5038)  
MOPS Buffer ( Catalog# TBS5041)

**This product is for *in vitro* research use only and is not intended for use in humans or animals.**

**This product is not intended for use as a therapeutic or in diagnostic procedures.**

**Please visit [www.tribioscience.com](http://www.tribioscience.com) for a complete listing of recommended companion products.**

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