

Bovine Serum Albumin (BSA) Standard Solutions

Ready-to-use

DESCRIPTION

The Tribioscience Bovine Serum Albumin (BSA) Standard Kit contains high-quality reference solutions for generating accurate standard curves and calibration controls in total protein assays. It contains seven ready-to-use pre-diluted protein concentrations (2.0, 1.5, 1.0, 0.75, 0.5, 0.25 and 0.125 mg/ml) for BCA, Bradford, and other protein assay protocols.

BSA is the universally accepted reference protein for total protein quantitation. The standard BSA solutions are precisely formulated in an ultrapure 0.9% sodium chloride (saline) solution, and calibrated according to BSA standards from the National Institute of Standards and Technology (NIST). One kit of BSA standard has seven concentrations. 1mL each.

KEY FEATURES

Universal – recognized as the industry standard for protein quantitation in colorimetric protein assays.

Pure and stable – supplied in ultrapure 0.9% saline solution with 0.05% sodium azide; room temperature stable.

Accurate and consistent – precisely formulated at 5.00 ±0.03 mg/mL compared to an NIST reference.

Convenient – a complete set containing seven ready-to-use solutions.

APPLICATIONS

Standard curve creation for protein quantification assay.

KIT CONTENTS

7 BSA standard protein solutions, 1 ml/each:

2.0 mg/ml; 1.5 mg/ml; 1.0 mg/ml; 0.75 mg/ml;
0.5 mg/ml; 0.25 mg/ml; 0.125 mg/ml.

Storage conditions. The product is stored at 2-8°C, stored at -20°C for long term storage.

Precautions: The reagent is for research use only. Normal precautions for laboratory reagents should be exercised while using the reagents. Please refer to Material Safety Data Sheet for detailed information.

REFERENCES

1. Bradford, M.M. A rapid and sensitive method for the quantitation of microgram quantities of protein utilizing the principle of protein-dye binding, *Anal. Biochem.*, 72: 248-54, 1976
2. Nobel, J.E., Bailey M.J. Quantitation of protein, *Methods Enzymole.* 463: 73-95, 2009

RELATED PRODUCTS

Protein assay kit (TBS5013)
Protein Cell Lysis Buffer (TBS5001)

For research use only.

