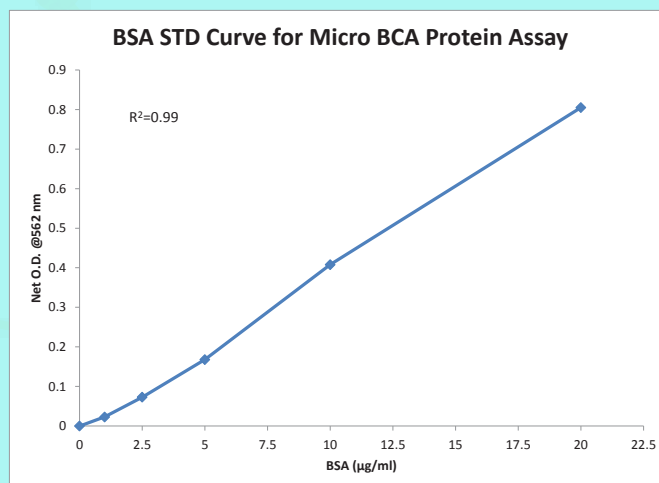


Micro BCA Protein Assay Kit

The Orochem Micro BCA Protein Assay Kit is a detergent-compatible bicinchoninic acid formulation optimized for the colorimetric detection and quantitation of total protein concentration of dilute protein solutions (0.5 to 20 micrograms/mL). The method utilizes bicinchoninic acid (BCA) as the detection reagent for Cu^{+1} , which is formed when Cu^{+2} is reduced by protein in an alkaline environment. A purple-colored reaction product is formed by the chelation of two molecules of BCA with one cuprous ion (Cu^{+1}). This water-soluble complex exhibits a strong absorbance at 562nm that is linear with increasing protein concentrations.

HIGHLIGHTS

- **Sensitive**—detect down to 0.5 $\mu\text{g/mL}$
- **Colorimetric**—measure with a standard spectrophotometer or plate reader (562nm)
- **Accurate**—exhibits less protein-to-protein variation than dye-binding methods
- **Compatible**—compatible with typical concentrations of most ionic and nonionic detergents
- **High linearity**—linear working range for BSA equals 0.5 to 20 $\mu\text{g/mL}$



Standard Curve:

Typical standard curve obtained for bovine serum albumin (BSA) in the BCA Protein Assay.

Micro BCA Protein Assay Kit

Ordering Information: Please enquire for price. ****25% less than other suppliers****

Catalog No.	Description		Package Size
OCPMBCAKT	Micro BCA Protein Assay Kit Formulation: Multi-component kit Sufficient For: 480 tube assays or 3200 microplate assays Kit Contents: Micro BCA Reagent A , 240mL Micro BCA Reagent B , 240mL Micro BCA Reagent C , 12mL Albumin Standard Vials, 2mg/mL, 10 x 1mL		500 mL Kit

Reference:

1. Smith, P.K. et.al. (1985). Anal Biochem. 150 (1), 76-85.