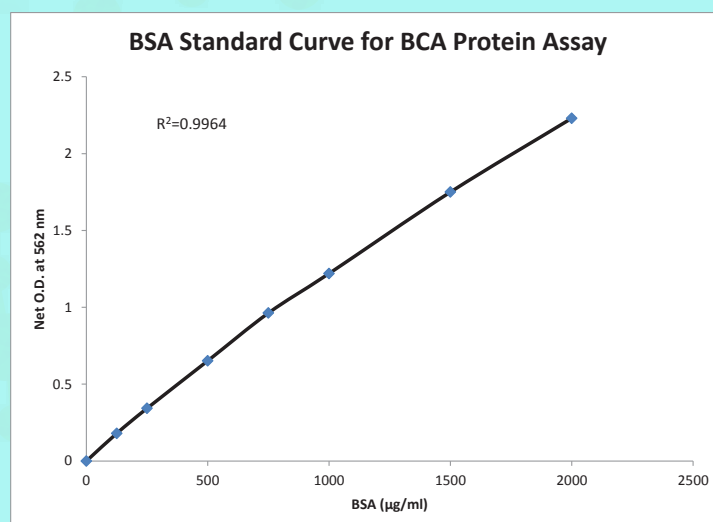


BCA Protein Assay Kit

The Orochem BCA Protein Assay Kit is a detergent-compatible bicinchoninic acid formulation for the colorimetric detection and quantitation of total protein. The BCA Kit has been optimized for use with protein samples over a broad working range (20-2000 μ g/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

- **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 20 to 2000 μ g/mL



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

BCA Protein Assay Kit

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

Catalog No.	Description		Package Size
OCPBCAKT1	BCA Protein Assay Kit Formulation: Multi-component kit Sufficient For: 250 tube assays or 2500 microplate assays Kit Contents: BCA Reagent A, 500mL BCA Reagent B, 25mL Albumin Standard Vials, 2mg/mL, 10 x 1mL		500 mL Kit
OCPBCAKT2	BCA Protein Assay Kit Formulation: Multi-component kit Sufficient For: 500 tube assays or 5000 microplate assays Kit Contents: BCA Reagent A, 2 x 500mL BCA Reagent B, 25mL Albumin Standard vilas, 2mg/mL, 10 x 1mL		1L Kit
OCPBCARA1	BCA Protein Assay Reagent A Formulation: Bicinchoninic acid and tartrate in an alkaline carbonate buffer Sufficient For: 1250 microplate assays when mixed with Reagent B		250 mL
OCPBCARA2	BCA Protein Assay Reagent A Formulation: Bicinchoninic acid and tartrate in an alkaline carbonate buffer Sufficient For: 2500 microplate assays when mixed with Reagent B		500 mL
OCPBCARA3	BCA Protein Assay Reagent A Formulation: Bicinchoninic acid and tartrate in an alkaline carbonate buffer Sufficient For: 5000 microplate assays when mixed with Reagent B		1L
OCPBCARA4	BCA Protein Assay Reagent A Formulation: Bicinchoninic acid and tartrate in an alkaline carbonate buffer Sufficient For: 18,750 microplate assays when mixed with Reagent B		3.75L
OCPBCARB1	BCA Protein Assay Reagent B Formulation: 4% copper sulfate pentahydrate solution Sufficient For: 5000 microplate assays when mixed with Reagent A		25 mL

Reference:

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