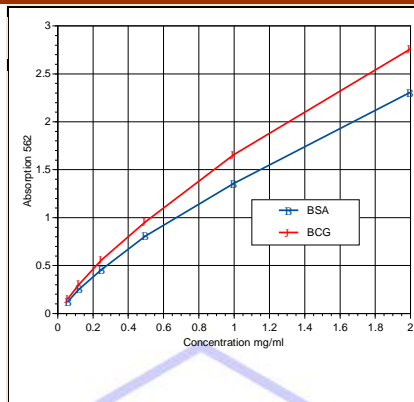


Enhanced Micro BCA protein assay Kit with Dual Standards



Enhanced Micro BCA Protein Assay-Highlights

- Convenient, stable, ready to use liquid, error free BSA standards (2000, 1000, 500, 250, 125, 62.5 ug/ml). No dilution of standards saves time and prevent errors. 1 ml vials sufficient for 50-100 assays.
- Bovine Gamma Globulin liquid standard at 1 mg/ml for usage with protein samples containing Ig's (1 ml x 1vial).
- Sensitivity ~20-125 ug/ml; 10-20 ul samples
- 30 minute incubation at 37degC (room temp possible). Read A562nm (540-590nm)

For in vitro research use only.

Kit Contents

1. Enhanced BCA Protein Reagent A: 100 ml (#BCAM-500) or 2 x 100 ml (#BCAM-1000)
2. Enhanced BCA Protein Reagent B: 2 ml (#BCAM-500) or 2 x 2 ml (#BCAM-1000)
3. Prediluted BSA protein standards, 6 vials x 1 ml (2000, 1000, 500, 250, 125, 62.5 ug/ml)
4. Bovine gamma globulin standard (2 mg/ml), 1 vial for use in samples containing Ig's.

Reagent Preparation

Enhanced BCA Protein assay requires 200 ul of working reagent per well or 400 ul/sample in duplicate. Determine the total samples and 7 standards including blank. Mix reagent A and B in 50:1 ratio (10 ml of A and 0.2 ml of B). Prepare just before the assay. Working reagent can be stored at room temp for several hours.

Assay Procedure: Allow all reagents to reach room temperature. Arrange and label required number of strips.

Prepare the BCA working reagents by mixing Reagents A and B (50:1). Dilute standards or samples if necessary.

Step 1. Pipet 20 ul of pre-diluted standards and protein samples in duplicate into a fresh ELISA plate (wells). Dispense 200 ul of BCA working reagent into all wells. Mix gently, cover the plate and incubate at 37oC for 30 min (1-2 hrs to increase the sensitivity). It is possible to incubate at room temp 25-28oC (2 hrs) but the assay will be less sensitive.

Step 2. Measure Absorbance at A562 nm using an ELISA reader (if 562 filter is not available then use 540-590nm range but the values may be less). Calculate concentration of protein from the standard curve. .

General Information

BCA (bicinchoninic acid) Protein Assay is one of the most popular protein assay. It is compatible with many detergents and therefore it provides an accurate determination of protein concentration in most sample types. Compared to most dye-binding methods, the BCA Assay is affected much less by protein compositional differences, providing greater protein-to-protein uniformity. BCA Assay can be used to assess yields in whole cell lysates and affinity-column fractions, as well as to monitor protein contamination in industrial applications.

Advantages of ADI's Enhanced BCA Protein Assay.

Features	ADI Kit	Other Products sold in routine
Enhanced Sensitivity (20-125 ug/ml)	Yes	No
Ready to use Standards	Yes	No (supply 1 stock)
Dual Standards (BSA and Bovine IgG)	Yes	Buy Separate
Compatibility with common buffers and detergents (Am. Sulphate=25mM; Glycine, pH, 2.8=100 mM; Imidazole, pH 7.0=50mM; MOPS=100mM; RIPA buffer; NaCl=1 M; Tris=250mM; NP-40=5%; SDS=5%; TritonX-100=5%; Tween-20=5%; DTT=1mM; DMF=10%; Sucrose=40%; Urea=3M; Glycerol=10%; DMSO=10%; & Many other reagents	Yes	Yes/No

Available as : Cat# BCAM-500 (500 assays);Cat# BCAM-1000 (1000 assays)

Alpha Diagnostic Intl Inc., 6203 Woodlake Center Dr, San Antonio, TX 78244, USA

☎ (800) 786-5777; (210) 561-9515; Fax: (210) 561-9544

Marketed in India by : Life Technologies (India) Pvt. Ltd +91-11-42208000; Fax: +91-11-42208444;

www.lifetechindia.com : email: customerservice@lifetechindia.com