

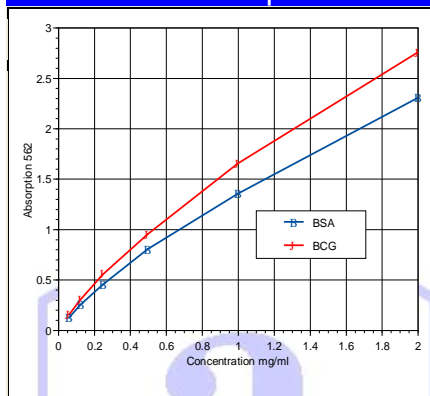
Are you wasting hours, money and labor to standardize your Protein assays?

Shift to new generation Auto-start , highly sensitive Protein estimation Kits.
Easy, Robust, Quick, Complete. Protein estimation was never that Easy and
Economical. No mess Total value for Money !!

Industry's FIRST "Pre-coated Standards (BSA or BGG) Strip Plates™"

"Pre-coated Standards Strip Plates™" is copy righted and trade mark of ADI Inc, USA. Patent Pending.

**Enhanced Micro BCA protein assay Kit with "Dual Standards"
Complete with Pre-diluted and "Pre-coated or Pre-dispensed" Standards**



Enhanced Micro BCA Protein Assay-Highlights

- Convenient, stable, ready to use liquid, error free BSA standards (2000, 1000, 500, 250, 125, 62.5, 31.25, 0.0 ug/ml). No dilution of standards saves time and prevents errors. 1 ml vials sufficient for 50-100 assays.
- Bovine Gamma Globulin liquid standard at 2 mg/ml for usage with protein samples containing Ig's (1 ml x 1 vial).
- Range ~31-2000 ug/ml; 10-20 ul samples
- 60 minute incubation at 37°C (room temp possible). Read A562nm (540-590nm); time can be adjusted from 30-2 hrs at 37°C or Room temp.

(For in vitro research use only.)

Kit Contents

1. Enhanced BCA Protein Reagent A: 100 ml
2. Enhanced BCA Protein Reagent B: 2 ml
3. Standards: BSA @ 2 mg/ml or Prediluted or Pre-coated standards, (2000, 1000, 500, 250, 125, 62.5, 31.25, 0.0 ug/ml)
4. BGG (1 vial of 2 mg/ml) Standard (optional: a set of Prediluted BGG @2000, 1000, 500, 250, 125, 62.5, 31.25, 0.0 ug/ml)
5. Pre-optimized strip plates for all BCA tests assure 100% compatibility. Save time and hassle to buy separate items.

Reagent Preparation

Enhanced BCA Protein assay requires 200 ul of working reagent per well. Determine the total samples & 8 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 or use "pre-coated standard strip plate" and protein samples in duplicate into a fresh ELISA strip plate (wells). Dispense 200 ul of BCA working reagent into all wells. Mix gently, cover the plate and incubate at 37°C for 60 min. It is also possible to incubate at room temp 25-28°C (2 hrs).

Step 2. Measure color at A562 nm using an ELISA reader (540-590 nm filters may also be used, the Absorbance values may change slightly but it does not affect the assay). 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	Competitor
Broad range (0-2000 ug/ml) and Enhanced Sensitivity (~10-20 ug/ml)	Yes	No
Ready to use Pre-diluted Standards (save time, prevent error, and cost effective)	Yes	No
Industry's first Ready to use Pre-coated™ Pre-dispensed standard strips (no errors, saves time, cost effective, and most convenient)	Yes	No
Dual Standards (BSA and Bovine IgG) with every kit allows better sample compatibility	Yes	Buy Separate
Most Compatible 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 and mercaptoethanol=1mM; DMF=10%; Sucrose=40%; Urea=3M; Glycerol=10%; DMSO=10%; & Many other reagents	Yes	Yes/No

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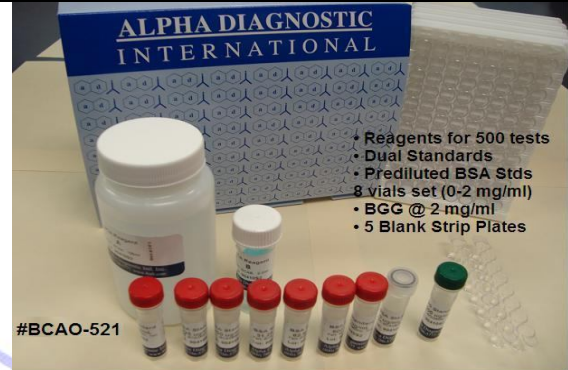
Enhanced BCA Protein Kits Complete with Pre-diluted Standards (BSA or BGG) and Assay Plates



- Reagents for 500 tests
- Dual Standards
- Pre-coated BSA Stds
12 strips set (0-40 ug/well)
- BGG @ 2 mg/ml
- 5 Blank Strip Plates

#BCAU-511

BCA "Ultima" Protein assay kit with dual standards (Ready to use pre-coated, BSA Stds Set of 12 Strips (0.40 ug/well); 1 vial of BGG std (2 mg/ml) & 5 blank strip plates, Cat#BCAU-511



- Reagents for 500 tests
- Dual Standards
- Prediluted BSA Stds
8 vials set (0-2 mg/ml)
- BGG @ 2 mg/ml
- 5 Blank Strip Plates

#BCAO-521

BCA "Optima" Protein Assay Kit with dual stds (Prediluted BSA std set, 8 vials, 0.2 mg/ml) 1 vial of BGG at 2 mg/ml; and optimized ELISA strip plates for the BCA test; Cat# BCA0.501

Optional Accessories Available as Separate Items



Pre-Coated, Stabilized, BSA Standards 0.40 ug/well, Ready to use for BCA Protein kits

- 40 ug
- 20 ug
- 10 ug
- 5 ug
- 2.5 ug
- 1.25 ug
- 0.62 ug
- 0 ug

- # BCA-PBSA-5
- Pre-coated BSA Stds
12 strips set (0-40 ug/well)
- 5 plates/pk (60 strips)

Ready to use pre-coated, stabilized, Bovine serum albumin (BSA) Stds for BCA protein assay kit, A set 12 strips/plate, 0.40 ug/well, 5 plates/pk; Cat# BCA-PBSA-5



Pre-Coated, Stabilized, BGG Standards 0.40 ug/well; Redy to use for BCA Protein Kits

- 40 ug
- 20 ug
- 10 ug
- 5 ug
- 2.5 ug
- 1.25 ug
- 0.62 ug
- 0 ug

- # BCA-PBGG-5
- Pre-coated BGG Stds
12 strips set (0-40 ug/well)
- 5 plates/pk (60 strips)

Ready to use pre-coated, stabilized, Bovine Gamma Globulin (BGG) Stds for BCA protein assay kit, A set 12 strips/plate, 0.40 ug/well, 5 plates/pk



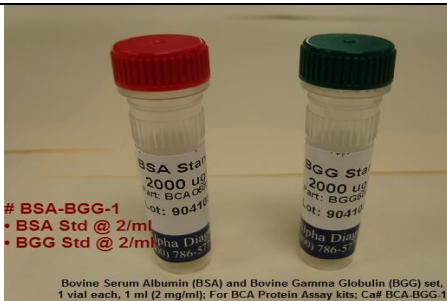
- #BCA-BSA-1
- Prediluted BSA Stds
8 vials set (0-2 mg/ml)

Bovine Serum Albumin (BSA) standard set for BCA "Optima" Protein assay kit (Pre-diluted BSA Std set, 8 vials 0.2 mg/ml, 1 ml each), Cat# BCA-BSA-1



- # BCA-BGG-1
- Prediluted BGG Stds
8 vials set (0-2 mg/ml)

Bovine Gamma Glob. (BGG) standard set for BCA "Optima" Protein assay kit (Pre-diluted BGG Std set, 8 vials 0.2 mg/ml, 1 ml each), Cat#



- # BSA-BGG-1
- BSA Std @ 2/ml
- BGG Std @ 2/ml

Bovine Serum Albumin (BSA) and Bovine Gamma Globulin (BGG) set, 1 vial each, 1 ml (2 mg/ml); For BCA Protein Assay kits; Cat# BCA-BGG-1



- # BCAP-5
- Pre-optimized blank strip plates
for BCAP Protein Assay Kits
- 5 Plates or 480 wells

Preoptimized blank ELISA strip plates (96 wells; 8 wells/strip) 5 plates/pk
Preoptimized for BCA protein assays kits # BCAP-5

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Ordering information-Complete BCA Protein Kits

Catalog#	ProdDescription	SIZE
BCAU-510	BCA "Ultima" Protein assay kit (500 tests); with dual stds (Ready to use pre-coated BSA Stds, a set 12 strips, 0-40 ug/well) & 1 vial of BGG at 2 mg/ml	1 kit
BCAU-511	BCA "Ultima" Protein assay kit (500 tests); with dual stds (Ready to use pre-coated BSA Stds, a set 12 strips, 0-40 ug/well) & 1 vial of BGG at 2 mg/ml & 5 plates (480 wells)	1 kit
BCAO-520	BCA "Optima" Protein assay kit (500 tests); with dual stds (Prediluted BSA Std set, 8 vials 0-2 mg/ml) & 1 vial of BGG at 2 mg/ml	1 kit
BCAO-521	BCA "Optima" Protein assay kit (500 tests); with dual stds (Prediluted BSA Std set, 8 vials 0-2 mg/ml) & 1 vial of BGG at 2 mg/ml & 5 plates (480 wells) for BCA tests	1 kit

Accessories available as separate items

BCA-BSA-1	Bovine Serum Albumin (BSA) standard set for BCA "Optima" Protein assay kit (Pre-diluted BSA Std set, 8 vials 0-2 mg/ml, 1 ml each)	1 set
BCA-BGG-1	Bovine Gamma Globulin (BGG) standard set for BCA "Optima" Protein assay kit (Pre-diluted BSA Std set, 8 vials 0-2 mg/ml, 1 ml each)	1 set
BCA-PBSA-5	Ready to use pre-coated, stabilized, Bovine serum albumin (BSA) Stds for BCA protein assay kit, A set 12 strips/plate, 0-40 ug/well), 5 plates/pk	1 pk
BCA-PBGG-5	Ready to use pre-coated, stabilized, Bovine Gamma Globulin (BGG) Stds for BCA protein assay kit, A set 12 strips/plate, 0-40 ug/well), 5 plates/pk	1 pk
BSA-BGG-1	Bovine Serum Albumin (BSA) and Bovine Gamma Globulin (BGG) standard set protein test kits (2 mg/ml, 1 ml each)	1 pk
BCAP-5	Pre-optimized blank ELISA strip plates (96 wells, 8 wells/strips) for 480 tests for BCA protein assays	1 pk

Advantages of ADI's Enhanced Micro BCA Protein Test Kits

- BCA based protein test are most compatible with common buffers and reagents
- ADI BCA Protein Test Kits offer most sensitivity with a range of 31-2000 ug/ml
- Short incubation time at 37°C (Adaptable for room temp or longer incubation time to enhance sensitivity of the tests according to user's needs)
- ADI kits are supplied with dual BSA and BGG standard for better sample compatibility
- ADI kits have at least 1 year shelf life
- Convenient pack size of 500 tests for most users for cost savings and prevent waste or expiration of bulk reagents. We can supply bulk packs for special users.
- ADI Kits available with several convenient selection of standards
 - ◆ Stock Standards (BSA or BGG) at 2 mg/ml (diluted at user end)
 - ◆ Pre-diluted Stds (BSA or BGG), 0, 31.2, 62.5, 125, 250, 500, 1000, 2000 ug/ml for convenience and error free protein assays

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