

BCA Protein Assay Kit | BCA assay kit

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CATALOG #
AAA249416

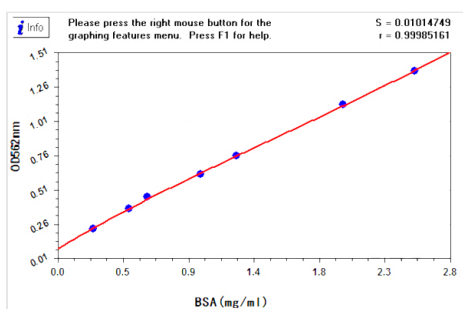
PRODUCT SYNONYMS

BCA Protein; BCA Protein Assay Kit; BCA assay kit

PRODUCT SPECIFICATIONS

Principle & Procedure	plasmid purification protocols are based on a modified alkaline lysis procedure, followed by binding of plasmid DNA to resin under appropriate low-salt and pH conditions. RNA, proteins, dyes, and low-molecular-weight impurities are removed by a medium-salt wash. Plasmid DNA is eluted in a high-salt buffer and then concentrated and desalted by isopropanol precipitation.
Determination of Yield	To determine the yield, DNA concentration should be determined by both UV spectrophotometry at 260 nm and quantitative analysis on an agarose gel. For reliable spectrophotometric DNA quantification, A260 readings should lie between 0.1 and 1.0
Note	Agarose gel analysis-We recommend removing and saving aliquots during the purification procedure. If the plasmid DNA is of low yield or quality, the samples can be analyzed by agarose gel electrophoresis to determine the stage of the purification procedure where the problem occurred.
Preparation and Storage	Spin Column CM should be stored dry and at room temperature (15-25 degree C). They can be stored for at least 2 years without showing any reduction in performance, capacity, or quality of separation. Fine Plasmid Kits should be stored at room temperature. After adding RNase A, Buffer P1 should be stored at 2-8 degree C and is stable for 6months. Other buffers and RNase A stock solution can be stored for 2 years at room temperature.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for BCA assay kit

Background: The BCA protein assay is a protein determination formulation based on bicinchoninic acid (BCA) for the colorimetric detection. This method combines the reduction of Cu^{2+} to Cu^{+} by protein in an alkaline medium (the biuret reaction) and the soluble purple-colored reaction product from the complexing of Cu^{+} and BCA. This purple-colored complex exhibits a maximum absorbance at 562 nm that is nearly linear with increasing protein concentrations over a broad working range (0-2 mg/ml). According to highly sensitivity and simple to use, the BCA protein assay is adopted by laboratories and companies, and becomes one of the prior protein quantitative methods as well as the Bradford assay. The BCA Protein Assay Kit has the characteristics of high sensitivity and light background, and the measured range can be up to 3 mg/ml.

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/assay-kits/bca-protein/249416>