PRODUCT DATA SHEET

Bioworld Technology,Inc.

Bioepitope Bradford Protein Assay Kit

Cat No. : BD0029

INTRODUCTION

Bradford coomassie-binding, colorimetric method for total protein quantitation is one of dye binding methods. Coomassie Brilliant Blue G-250 in the free state shows brown, and its maximum light absorbance is 488nm; When Coomassie Brilliant Blue G-250 combines with protein ,it turns brown into blue, and the maximum absorption is 595 nm. The absorbance at 595nm is proportional to the protein concentrations. Protein binding Coomassie Brilliant BlueG250 reaches a balance in about 2 min. The complex remains stable in an hour at room temperature. The method has superiority such as simple and convenient operation, sensitive reaction (4 times higher than Lowry Method), etc.

Bioepitope Bradford protein assay kit is developed based on Bradford coomassie-binding method. This method has traits of simple and convenient operation high sensitivity， accurate quantification and stable effect.

REAGENTS

Bioepitope Coomassie Bradford Assay Reagent：100ml
Bioepitope Serum Albumin Standard: 100 mg (Powder)

Application

Protein quantification

STORAGE & SHELF LIFE

Coomassie Bradford Assay Reagent：stored at 4℃.
Serum Albumin Standard: 100 mg (Powder), Stored at 4℃.(Recommend to make stock solution(5mg/ml) and aliquot before store at 4℃)

PROCEDURE

A) Standard Preparation;
B) Micro-plate Procedure (Sample to WR ratio = 1:20)

1. Pipette each standard or unknown sample into the appropriate microplate wells. The sample would be less than 20 µl,and add diluent up to 20 µl.
2. Add 200µL of the Bioepitope Coomassie Bradford Assay Reagent to each well and mix with plate shaker for 30 seconds.
3. Cover plate and incubate for 5 minutes at RT.
4. Measure the absorbency at or near 595 nm on a plate reader.
5. Use the standard curve to calculate the protein concentration of each unknown sample.

DATA

NOTE

1. Make Bioepitope Coomassie Bradford Assay Reagent return to RT before use, and mix well.
2. Please wear the lab coat and gloves to operate.
3. Make sure the absorbency at 595nm within the range of the standard curve.
4. Good linear range for samples is from 50-2000µg/ml.
5. Period of validity is 6 months.

OTHER

Only For Research

MADE IN CHINA

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