Bradford Reagent

Product: Bradford Reagent
CATALOG: FF0020-0500
Size: 500ml
Storage Condition: room temperature

DESCRIPTION

The Bradford assay is very fast and uses about the same amount of protein as the Lowry assay. It is fairly accurate and samples that are out of range can be retested within minutes. The Bradford is recommended for general use, especially for determining protein content of cell fractions and assessing protein concentrations for gel electrophoresis.

Components:

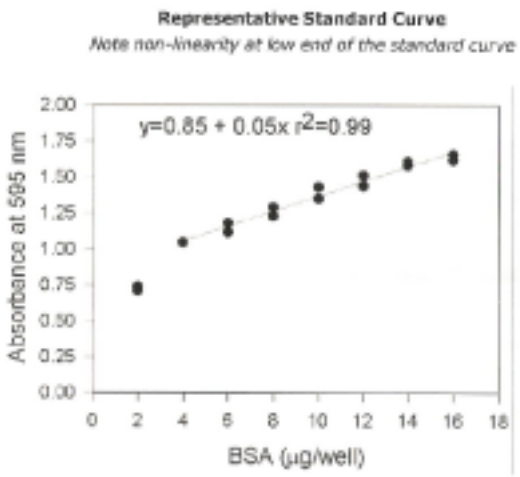
Sufficient solutions are supplied to 500 samples quantitation. Bradford dye reagent, 500 mL

Micro Assay Procedure

1. Warm up the spectrophotometer for 15 min. before use.
2. Dilute samples with buffer to an estimated concentration of 1 to 20 mg/mL.
3. Prepare standards containing a range of 1 to 20 mg protein (albumin or gamma globulin are recommended) to a volume of 200 mL (to a volume of 100 mL if you are adding 1 M NaOH)
4. Prepare unknowns to estimated amounts of 1 to 20 mg protein per tube to 200 mL (100 mL if you are using 1 M NaOH)
5. (Optional) Add 100 mL 1 M NaOH to each sample and vortex.
6. Add 800 mL dye reagent and incubate 5 min.
7. Measure the absorbance at 595 nm.

Macro Assay Procedure

1. Warm up the spectrophotometer for 15 min. before use.
2. Dilute samples with buffer to an estimated concentration of 20 to 200 mg/mL
3. Prepare standards containing a range of 20 to 200 mg protein (albumin or gamma globulin are recommended) to a standard volume (generally 1 mL or less).
4. Prepare unknowns to estimated amounts of 20 to 200 mg protein per tube, same volume as the unknowns.
5. (Optional) Add 0.25 mL 1 M NaOH to each sample and vortex.
6. Add 5 mL dye reagent and incubate 5 min.
7. Measure the absorbance at 595 nm.



General Considerations

The dye binds to quartz cuvettes so it is usually better to use glass or plastic cuvettes.

References

Bradford , M. M. (1976) Analytical Biochemistry. 72, 248

BIONOVAS Biotechnology Co., Ltd.
647-808-8236
No. 194 kingsdale Ave, Toronto. Ontario. M2N3W9