

Protein Quantitation By Bradford Method

<u>Code</u>	<u>Description</u>	<u>Size</u>
PG-035-1L	Bradford Reagent, Biotechnology Grade	1L

General Information:

Based on the 1976 Analytical Biochemistry paper by Bradford, Genetix offers several products for use in the Bradford method. The Bradford method is a rapid and sensitive method for the quantitation of microgram quantities of protein utilizing the principle of protein dye binding.

Procedure

1. Into 4 separate microcentrifuge tubes, aliquot 5, 10, 15 and 20 μL of 0.5 mg/ml BSA solution. Bring the volume of each to 100 μL with 0.15N NaCl.
2. Into 1 tube, aliquot 100 μL 0.15N NaCl. This will serve as a blank.
3. Add to each tube, 1 mL Bradford Reagent and vortex. Allow to stand at room temperature for 2 minutes.
4. Determine $A_{595\text{ nm}}$ using a 1 mL microcuvette. Generate a standard curve by plotting absorbance at 595 nm versus protein concentration.
5. For the unknown sample, repeat steps 1-4 using the unknown in place of the BSA. Plot the $A_{595\text{ nm}}$ and use the standard curve as a reference to determine the concentration of the unknown sample.

Storage/Stability:

Store at 2 – 8 °C.

Application Disclaimer

For research use only.

Not for therapeutic or diagnostic use.



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