Bradford Assay

Motivation
The Bradford Assay is a quick technique to determine the concentration of a protein sample. By using fluorescence and Beer-Lambert law, absorbance at 595nm can be converted into a concentration value, which may be needed for further assays.

Materials
- Protein of interest
- Bradford Reagent
- BSA Standard 2mg/ml

Protocol
1) In a 96 well play, create a standard curve of 0-10μg of BSA standard (2mg/ml). Total volume of 20μl. Add 20μl of protein sample to empty wells.

2) Add 180μl of Bradford Reagent to each well, ensuring protein samples are added last. Use a multichannel pipette to ensure that all samples are added at the same time.

3) Measure using spectrophotometer at 595nm. Plot standard curve and assess concentration.

Acknowledgements