

# Bradford Assay

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3:11 PM

## Materials

Bio-Rad Protein Assay reagent (Cat# 500-0006)

150 ml vacuum filter flask

BSA protein standards 0, 0.05, 0.1, 0.2, 0.4, 0.5, 0.7, 0.8 mg/ml

Plate reader

96-well plate

## Procedure:

1. Prepare 50 ml of diluted Bradford assay reagent in a 50 ml Falcon tube by adding 10 ml of concentrated reagent to 40 ml dH<sub>2</sub>O
2. Vacuum filter in 150 ml vacuum filter flask system (0.2  $\mu$ m pore size) to remove particulates. Label flask with Bradford reagent, and keep refrigerated when not in use. **The diluted reagent can be used for two weeks.**
3. Pipette 5  $\mu$ l of each standard into a 96 well plate, if possible do in triplicate
4. Add 5  $\mu$ l of sample to the 96 well plate, do in triplicate if possible, do this is triplicate
5. Add 200  $\mu$ l of diluted Bradford reagent to each well, incubate plate on bench for 10 min
6. Measure each well at  $\lambda$  595 nm