

PROTEIN QUANTIFICATION (BRADFORD MICROASSAY)

This method is used for quantification of protein concentration.

Solutions

BSA 1 mg/mL

PBS* 1x

Bradford reagent

Standard curve preparation

Standard concentration ($\mu\text{g/mL}$)	0	10	25	50	100	200
μL of BSA stock solution 1 mg/mL	0	5	12.5	25	50	100
μL of PBS 1X	500	495	487.5	475	450	400

Make sure to vortex all the standards solutions.

Sample preparation

Determine if your sample needs to be diluted. If a dilution is needed, you can try diluting it 10, 100 and 1000 times.

Procedure

Take 100 μL of standard or sample and mix with 1 mL of the Bradford assay. Let it rest for a minute, then read the absorbance at 595 nm against water.

NOTE: You may use 50 μL of sample and 500 μL of Bradford reagent.

*You can use regular phosphate buffer