Micro Bradford Protein Assay

DATE

1. Prepare a set of protein standards of known concentration by diluting the stock BSA (2mg/ml) as below.

2. For unknowns, use 1-2 μ l instead of the BSA standard.

3. Add the working reagent (in this case is full strength dye) and vortex immediately.

4. Read the absorbance at 595 nm.

5. Subtract the blank (tube #A) from each reading and plot the concentration vs. the A₅₉₅.

Tube #	2 mg/ml BSA Stock	Diluent	Working Reagent	A595 (#1)	A595 (#2)	Protein (µg) (X-axis)
Α	0 µl	800 μl	200 μl			0 µg
В	1	799	200 μl			2
С	2	798	200 μl			4
D	3	797	200 μl			6
Е	4	796	200 μl			8
F	5	795	200 μl			10
G	6	794	200 μl			12
Н	7	793	200 μl			14
Ι	8	792	200 μl			16
J	9	791	200 µl			18
K	10	790	200 µl			20

Standards

Unknowns

Tube #	Sample Description	Sample Amount	Diluent (Bring up to 1 mL)	Working Reagent	A595 (#1)	A595 (#2)	Resulting Concentration μg/sample amount
1				200 µl			
2							
3							
4							
5							
6							
7							
8							
9							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							