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 µl 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 A_{595}.

Standards

Tube #	2 mg/ml BSA Stock	Diluent	Working Reagent	A_{595} (#1)	A_{595} (#2)	Protein (µg) (X-axis)
A	**0 µl**	**800 µl**	**200 µl**			**0 µg**
B	**1**	**799**	**200 µl**			**2**
C	**2**	**798**	**200 µl**			**4**
D	**3**	**797**	**200 µl**			**6**
E	**4**	**796**	**200 µl**			**8**
F	**5**	**795**	**200 µl**			**10**
G	**6**	**794**	**200 µl**			**12**
H	**7**	**793**	**200 µl**			**14**
I	**8**	**792**	**200 µl**			**16**
J	**9**	**791**	**200 µl**			**18**
K	**10**	**790**	**200 µl**			**20**

Unknowns

Tube #	Sample Description	Sample Amount	Diluent (Bring up to 1 mL)	Working Reagent	A_{595} (#1)	A_{595} (#2)	Resulting Concentration µg/sample amount
1				***200 µl***			
2							
3							
4							
5							
6							
7							
8							
9							
10							
11							
12							
13							
14							
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17							
18							
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20							