

Protein quantification using BCA protein assay kit (Pierce)

1. Prepare standard (25-400 $\mu\text{g/ml}$) using the following procedure:
 - a. Add 12 μl 2mg/ml BSA (standard come with the kit) to 48 μl of H_2O
 - b. Make serial dilution (take 30 μl to 30 μl of H_2O) to make the following standard.
2. Add 25 μl of each standard or unknown sample into a microplate well.
3. Add 200 μl of the working solution (mix part A and B in 50:1 ratio) to each well and mix.
4. Shield from light and incubate at 37°C for 30 min.
5. Determine O.D. 569nm using microplate reader.

Following is one example of OD_{596nm}:

400 $\mu\text{g/ml}$	200 $\mu\text{g/ml}$	100 $\mu\text{g/ml}$	50 $\mu\text{g/ml}$	25 $\mu\text{g/ml}$	0 $\mu\text{g/ml}$
0.900	0.460	0.233	0.139	0.93	0.088