Procedure

1- Set up a series of test tube as follows, label from 1- 7

Tube	**Protein Stock Solution(140 mg/dl)**	0.85% Saline	**Protein concentration mg/dl**
1	4.5	1.5	
2	3	3	
3	2.4	3.6	
4	1.5	4.5	
5	0.9	5.1	
6	0.3	5.7	
7(Blank)	0	6	
Urine Sample	-	-	

For the Urine Sample pipette 2ml of the Sample

2- **Set another 8 test** tube labeled 1-7 and pipette in each one Add 8 ml of sulfosalicylic acid acid

Tube	sulfosalicylic acid
1	8 ml
2	8 ml
3	8 ml
4	8 ml
5	8 ml
6	8 ml
7(Blank)	8 ml
Urine Sample	8 ml

3- Into tube 1 pipette 2 ml of protein solution 1, into tube 2 pipette 2 ml of protein solution 2 ect.
4- Mix contents of each tube well and allow standing for 5 minutes.
5- Using solution 7 (Blank) to set transmittance at 100 at 500nm.
6- Then use solutions from 1-6, to recorded respective transmittance of each suspension.

Results:

Tube	Transmittance at 500 nm	Protein concentration mg/dl
7(Blank)	100	
1		
2		
3		
4		
5		
6		
Urine Sample		

7- Plot Transmittance against Protein concentration mg/dl
8- Read the Protein concentration of Urine Sample from the standard curve
9- Compare the result you got with the normal range of protein execration in 24 h urine specimen if you know that the protein execration in healthy sample **(0-0.150g/24 h).** Comment on the clinical conditions of the patient if it is present.