

BCH 333

Quiz 2

Name:

Academic number:

Answer the following by true or false and correct the false one:

- 1) Proteins absorb U.V light due to the presence of peptide bonds. ()
- 2) Bradford method is higher sensitive than A280/A260 method. ()
- 3) Estimation of protein concentration by colorimetric method is depending on the absorbance of the colored product at U.V light. ()
- 4) A higher A280/A260 value of protein sample means a lower nucleic acid percentage in this sample. ()
- 5) Color changing of commassie brilliant blue G-250 in Bradford method is due to its binding to glycine residues in the proteins of the sample. ()

Calculate the concentration of protein in a sample has absorbance of 0.324 at 280nm and 0.271 at 260nm?

Make the necessary calculations to prepare 3 different dilutions of a stock protein sample (5 g/l). The total volume of each dilution is 2 ml.

Dilution tube	Conc. Of protein in dilution tube (g/l)	Volume to be taken from stock protein sample (ml)	Volume of water to complete the total volume (ml)	Total volume (ml)
A	1			2
B	3			2
C	5			2