

Measurement of Total Protein by Spectrophotometry

Question

Using a standard curve, determine the total protein content (mg/ml) of a sample of a protein solution. The only standard is a 100 mg/ml protein solution. The absorbance of the standard solution is 0.500. The absorbance of the sample solution is 0.250.

Table

Standard Concentration (mg/ml)	Absorbance
100	0.500
80	0.400
60	0.300
40	0.200
20	0.100
0	0.000
Sample	0.250

Standard Curve Equation