

Measurement of Total Protein by a Single Serum Sample

Question

Using a standard curve, determine the total protein content (mg/dL) of a serum sample. The only standard for a total protein assay is the International Standardized Reference for Serum Total Protein, which is available in Europe.

Task

Standard	Optical Density	Protein Concentration (mg/dL)
1	0.15	100
2	0.30	200
3	0.45	300
4	0.60	400
5	0.75	500
6	0.90	600
7	1.05	700
8	1.20	800
9	1.35	900
10	1.50	1000

Standardized Reference