APPENDIX 7

Estimation of Protein

Protein was estimated from the standard graph (Appendix 6)

Estimation of Biomass

Biomass is estimated gravimetrically as given below

Weight of empty spin tube = 1.1694 g
Weight of spin tube + Cells = 1.1844 g
Weight of Cells = 0.015 g / 10 ml.
= 1.5 g / L

Estimation of Protein in terms of Biomass

1.0 mL of broth contains 10.6 mg of protein.
1.0 mL of broth contains 25 mg of biomass.
Hence 25 g / L of biomass contains 10.6 g of protein.