



Contents

Preface to the Second Edition

v

Section 1 Qualitative Analysis

1. Carbohydrate Analysis	3
2. Lipid Analysis	12
3. Protein Analysis	19
4. Urine Analysis	28

Section 2 Quantitative Analysis

5. Colorimeter	43
6. Estimation of Blood Glucose	46
7. Kidney Function Test	50
8. Lipidogram	63
9. Liver Function Test	75
10. Estimation of Blood Calcium	97
11. Estimation of Blood Phosphorus	102

Section 3 Demonstration

12. pH Meter	109
13. Chromatography	110
14. Electrophoresis	112

Section 4

Miscellaneous

15. Body Fluids	119
16. Reagents Preparation	121
17. Biological Waste Disposal	123
18. Blood Gas Analyzer	126
19. DNA Extraction and its Applications: An Overview	139