

# Textbook of Medical Laboratory Technology

Second  
Edition

is the thoroughly revised and updated edition of the book incorporating most of the recent advances concerned with medical laboratory technology.

The new additions in this edition feature the following topics:

- Laboratory Diagnosis of HIV/AIDS
- Coronavirus Infection
- Cephaloplastin Reagent (Liquicelin-E) for Partial Thromboplastin Time (APTT)
- Angcard COVID Antigen Test
- Monitoring Oral Anticoagulant Therapy using ISI and INR
- HIV Rapid Text Procedure
- Dengue
- Monkeypox Virus

Diagnostics play a prominent role in the field of medicine. Without proper diagnosis, proper conclusion regarding medical treatment and surgery cannot be advised. Appropriate clinical laboratory is set up to carry out medical laboratory technical work in various departments in hospitals and medical institutions.

Similarly preparation of reagents of purest quality is also essential. *Textbook of Medical Laboratory Technology* is designed to train manpower.

The students undergoing training of medical laboratory technology learn the techniques of collection of samples, their processing and diagnosis, identification of various fungal infections and diagnosis of microbial infections by serological methods. In addition, students are given training in the use of safety measures while handling infected materials.

This textbook has several new dimensions of clinical biochemistry. It presents the measurement of various constituents of blood and other biological fluids and comprehensive coverage of principles and procedures.

This book aims to enable the students to carry out routine clinical laboratory investigations (blood, urine, CSF, biopsies and other fluids). Student should be able to provide technical help for selected sophisticated haematological techniques with adequate knowledge of various principles.

Advances in diagnostic methodologies and instrumentation have been included. This subject is aimed at preparing the students to prepare stained tissue sections of various types (paraffin, frozen) and immunohistochemistry. Emphasis has been given to quality control, which is essential to begin for the analysis.

Each chapter begins with a brief introduction, principles, procedure and interpretation of the experiment.

The textbook effectively and comprehensively meets the requirements of

- students of medical laboratory technology
- laboratory technicians employed in various clinical laboratories who wish to renew their knowledge of the subject.

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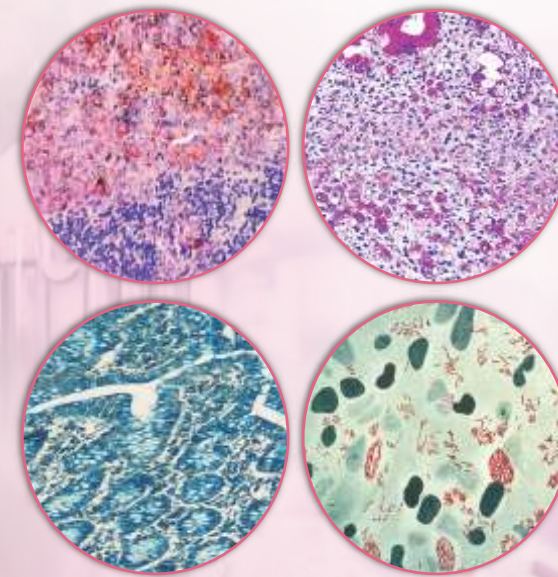
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Medical Laboratory Technology

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Dedicated to Education  
CBS Publishers & Distributors Pvt Ltd



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**Medical Laboratory  
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# Contents

<i>Foreword by Ranu Tiwari Mishra</i>	<i>vii</i>
<i>Preface to Second Edition</i>	<i>ix</i>
<i>Preface to First Edition</i>	<i>xi</i>

## SECTION I Laboratory Safety and Instruments

1. Laboratory Safety and Instruments Used in Laboratory	3
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## SECTION II Clinical Pathology

2. Examination of Urine	33
3. Laboratory Examination of Faeces	75
4. Cerebrospinal Fluid Examination	92
5. Semen Analysis	106
6. Examination of Pleural Fluid	121
7. Pericardial Fluid Analysis	126
8. Peritoneal Fluid Examination	130
9. Synovial Fluid Analysis	134
10. Sputum Examination	142
11. Gastric Analysis	151

## SECTION III Haematology

12. Haemopoiesis	161
13. Collection of Blood and Anticoagulants	168
14. Haemoglobin Estimation, RBC Count, Packed Cell Volume and Absolute Values	175



15. WBC Count	186
16. Erythrocyte Sedimentation Rate	189
17. Preparation of Blood Films	193
18. Special Stains in Haematology	204
19. Erythrocyte Disorders	213
20. Leukocyte Disorders	224
21. Haemorrhagic Disorders	237
22. Bone Marrow Examination	253
23. Special Tests in Haematology	258
24. Blood Banking	267
25. Automation in Haematology	282

#### SECTION IV Clinical Chemistry LT

26. Chemical Pathology	291
27. Laboratory Diagnosis of Diabetes	305
28. Tests in Chemical Pathology	315
29. Enzymology and Hormones	340
30. Tumour Markers in Malignancy	366

#### SECTION V Microbiology

31. Introduction to Microbiology	379
32. Collection of Specimens for Microbiological Examination, Motility and Morphology of Bacteria	383
33. Stains in Microbiology	396
34. Sterilization	412
35. Culture Media	421
36. Culture Methods and Culture Characteristics of Bacteria	440
37. Biochemical Tests	448
38. Antibiotic Sensitivity Test	469
39. Laboratory Diagnosis of Bacterial Infections	478
40. Mycology Procedures	497
41. Virology	517
42. Laboratory Diagnosis of Various Materials in Laboratory	561
43. Diagnostic Skin Tests	572



**SECTION VI**  
**Serology and Immunology**

44. Antigen Immunity and Hypersensitivity Serological Tests 579

**SECTION VII**  
**Cytology**

45. Cytology Types, Collection and Staining 655

**SECTION VIII**  
**Histology Mounting of Specimen and Histochemistry**

46. Fixatives, Decalcifying Agents and Softeners 665
47. Processing of Tissues 681
48. Section Cutting 686
49. Staining of Sections 697
50. Mounting of Museum Specimen 718
51. Immunohistochemistry 720
- Index* 733