

The background of the cover is a microscopic image showing various biological structures. There are several long, thin, purple-stained rod-like structures, likely bacteria, scattered across the field of view. Interspersed among these are numerous small, dark, oval-shaped structures, possibly spores or other cellular components. The overall color palette is dominated by light blue and yellowish-green, with the purple of the stained structures providing a strong contrast.

MEDICAL TECHNOLOGY REVIEW

Lorraine D. Doucet

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Lorraine D. Doucet, CSC, PhD., Editor

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Cover photograph courtesy of

G. Berry Schumann, M.D.

MEDICAL TECHNOLOGY REVIEW

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Preface

This book has been designed for students of medical technology and practicing clinical scientists and has been written by Medical Technologists and educators involved in medical technology programs. This book attempts to bridge the gap between the classroom and the clinical laboratory; to blend theoretical scientific knowledge with clinical laboratory experience.

Since each chapter could be a separate text, this book does not intend to compete with large technical volumes in the field, but rather to serve as a broad foundation upon which technical details may be assimilated, understood and applied in a clinical setting.

Each chapter is not condensed for the sake of condensation and distillation but rather, each contributor has included only those salient theoretical and practical points believed important. Theory, and diagnostic procedures are presented in a straightforward manner.

Tables, charts, illustrations and typical laboratory profiles are used to facilitate comprehension of the most widely used clinical principles.

"Med Techs" and educators share their knowledge and clinical experience in special topics in Bacteriology, Clinical Mycology, Parasitology, Virology, Immunology/Serology, Immunohematology, Hematology, Clinical Chemistry, Nuclear Medicine (Wet Work), Urinalysis/Body Fluid Analysis, and Quality Control/Management in the Clinical Laboratory.

Consequently, this Medical Technology Review text is intended to help the students of clinical medicine and clinical laboratory practitioners to prepare for either multidisciplinary certification, registry or proficiency examinations. Furthermore, in this age of specialization, laboratorians and educators will also find this book to be a helpful tool to refresh their memories in less familiar clinical areas.

The updated Bibliography and Recommended Readings at the end of each chapter will also aid to identify the relevant texts in several clinical areas.

Acknowledgements

A special acknowledgement is due to the contributors who realize the value of the Medical Technology profession and care and dare enough to share their knowledge with prospective and practicing "Med Techs".

The excellent work performed by Medical Technologists should be noted; work which is too frequently taken for granted and not fully appreciated and recognized.

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Contents

CHAPTERS		PAGE
1	BACTERIOLOGY	1
	THE STAPHYLOCOCCI	
	THE STREPTOCOCCI	
	THE PNEUMOCOCCI	
	THE NEISSERIA	
	SPECIES RELATED TO THE NEISSERIA	
	THE ENTERIC BACILLI	
	THE VIBRIOS AND AEROMONAS	
	THE PSEUDOMONAS	
	THE BRUCELLAE	
	BORDETELLA/FRANCISELLA/PASTEURELLA	
	HAEMOPHILUS	
	THE CLOSTRIDIA	
	THE BACILLI	
	LISTERIA/ERYSIPELOTHRIX	
	THE CORYNEBACTERIA	
	THE SPIROCHETES	
	LEPTOSPIRA	
	THE MYCOBACTERIA	
	NOCARDIA	
	BIBLIOGRAPHY AND RECOMMENDED READINGS	80
2	FUNDAMENTAL CLINICAL MYCOLOGY	81
	BASIC INFORMATION	
	Hyphae/Mycelia/Spore Formation	
	MOLD CULTURE EXAMINATION	
	MORPHOLOGICAL TRAITS OF SELECTED FUNGI AND YEASTS	
	PRIMARY ISOLATION MEDIA	
	DIMORPHISM	
	YEAST IDENTIFICATION	
	FUNGI PREPARATIONS FOR MICROSCOPIC EXAMINATION	
	SPECIMEN COLLECTION AND PROCESSING	
	Biopsy, Bone Marrow, Blood, Bronchial, Sputum, Skin, and Vaginal Specimens	
	THE SUPERFICIAL MYCOSES	
	THE CUTANEOUS MYCOSES	
	THE SUBCUTANEOUS MYCOSES	

	THE SYSTEMIC MYCOSES	
	THE OPPORTUNISTIC FUNGI	
	BIBLIOGRAPHY AND RECOMMENDED READINGS	114
3	PARASITOLOGY	115
	THE PROTOZOA	
	The Sarcodina	
	Intestinal Amebas	
	Extraintestinal Amebas	
	The Mastigophora	
	Intestinal Flagellates	
	Oral Cavity and Genito-Urinary Flagellates	
	Blood and Tissue Flagellates	
	The Ciliata	
	Intestinal Ciliate	
	The Sporozoa	
	Intestinal Sporozoa	
	Tissue Sporozoa	
	Blood Sporozoa	
	THE HELMINTHS	
	The Trematodes	
	The Heterophids	
	The Blood/Liver/Lung Flukes	
	The Cestodes	
	Intestinal Cestodes	
	Extraintestinal Cestodes	
	The Nematodes	
	Intestinal Nematodes	
	Blood and Tissue Nematodes	
	THE ARTHROPODS	
	TABLES OF DIAGNOSTIC CRITERIA	
	BIBLIOGRAPHY AND RECOMMENDED READINGS	162
4	SPECIAL TOPICS IN VIROLOGY	163
	GENERAL CHARACTERISTICS	
	VIRION PRODUCTION	
	VIRUS SHAPES	
	VIRUS CULTURE	
	VIRAL ASSAY	
	Electron Microscopy	
	Hemagglutination	
	Plaque Assay	
	Interference Test	
	VIRUS PROPAGATION	
	TRANSFORMATION OF HOST CELL	
	LYSOGENY	

	ANTIVIRAL AGENTS	
	Interferon/Iododeoxy Uridine/Adamantadine/Viazole	
	VIRAL FAMILIES	
	VIRAL DISEASES/EPIDEMIOLOGY/DIAGNOSIS/IMMUNITY	
	Herpes Simplex Type 1	
	Herpes Simplex Type 2	
	Varicella	
	Herpes Zoster	
	Epstein-Barr Virus	
	Burkitt's Lymphoma	
	Cytomegalovirus	
	Hepatitis A/Hepatitis B	
	Parainfluenza Viruses	
	Mumps	
	Measles (Rubeola)	
	German Measles (Rubella)	
	ONCOGENIC VIRUSES	
	DNA Viruses	
	RNA Viruses	
	BIBLIOGRAPHY AND RECOMMENDED READINGS	182
5	IMMUNOLOGY/SEROLOGY	183
	BASIC CONCEPTS	
	ANTIGENS	
	IMMUNOGLOBULINS	
	Direct/Indirect Reactions	
	Pattern of Response	
	ANTIGEN-ANTIBODY REACTIONS	
	Direct/Indirect Reactions	
	Complement	
	CELLULAR IMMUNITY	
	Biological Basis	
	Assays	
	IMMUNOLOGICAL DISFUNCTIONS	
	Hypersensitivity	
	Autoimmune Disease	
	TRANSPLANTATION AND TUMOR IMMUNOLOGY	
	HLA Antigens	
	Tumor Immunology	
	Immunoregulation	
	SERODIAGNOSTIC TESTS FOR SYPHILIS	
	SERODIAGNOSTIC TESTS - CONDITIONS OTHER THAN SYPHILIS	
	BIBLIOGRAPHY AND RECOMMENDED READINGS	200
6	IMMUNOHEMATOLOGY	201
	THEORY REVIEW	
	BLOOD GROUPS	
	The ABO System	
	Rh	
	Lewis	
	MNSs	
	Li System	
	P System	
	Lutheran	

	Kell, Duffy, and Kidd	
	Study Guide for Blood Group Systems	
	IMMUNOHEMATOLOGICAL DISORDERS	
	Auto Immune Hemolytic Anemia (A.I.H.A.)	
	Hemolytic Disease of the Newborn	
	BLOOD DONATION	
	Blood Donors/Selection/Collection/Testing of Blood Units/	
	Autologous Blood Donation	
	Common Anticoagulants	
	Whole Blood and Blood Component Therapy	
	Standard Colors of Blood Group Tags	
	METHODOLOGY	
	Antibody Screening and Identification	
	Compatibility Testing	
	Transfusion Reaction	
	Special Techniques	
	Prewarmed Crossmatch	
	Records	
	Quality Control	
	BIBLIOGRAPHY AND RECOMMENDED READINGS	238
7	HEMATOLOGY	239
	THE ERYTHROCYTE	
	Structure/Function/Production/Survival	
	Dyscrasias	
	Classification of Anemias	
	THE LEUKOCYTE	
	Structure/Function/Production/Survival	
	Diseases	
	THE LYMPHOCYTE	
	Structure/Function/Survival	
	Production	
	Immunocytes, T Cell, B Cell, Plasma Cell	
	Immunoglobulins	
	Diseases	
	THE THROMBOCYTE	
	Structure/Function/Production/Survival	
	Diseases	
	COAGULATION	
	Hemostasis	
	Blood Vessels	
	Platelets	
	Coagulation Factors	
	Pathways	
	Fibrinolysis and Anticoagulants	
	Diseases (Other than Platelets)	
	BIBLIOGRAPHY AND RECOMMENDED READINGS	258
8	SPECIAL TOPICS IN CLINICAL CHEMISTRY	259
	INORGANIC IONS AND WATER BALANCE	
	Fluid Movement and Properties	
	Osmolality	
	ELECTROLYTES	
	Sodium/Potassium/Calcium/Magnesium/Chloride/Phosphate/	
	and Other Essential Elements	

Acid/Base Disturbances	
Organic Acid Anions	
BLOOD UREA NITROGEN	
Creatinine	
Uric Acid	
CARBOHYDRATES	
Glucose	
Methods of Analysis	
Glucose Tolerance Test	
Glycosylated Hemoglobin	
PROTEINS	
Chemistry	
METHODS OF ANALYSIS	
Clinical Significance	
LIPIDS	
Chemistry/Metabolism/Clinical Significance	
ENZYMES	
Definition of Terms/Mode of Action	
Specific Enzymes	
Creatine Kinase/Lactate Dehydrogenase/Aminotransferase/	
Phosphatases/5' Nucleotidase/Lipase/Amylase/Aldolase/	
Cholinesterase	
Diagnostic Applications	
BILIRUBIN	
BIBLIOGRAPHY AND RECOMMENDED READINGS	341

9	NUCLEAR MEDICINE (Wet Work)	342
---	------------------------------------	-----

RADIOCHEMISTRY	
SAFETY RULES	
Biologicals/Hygiene/Radiation/Documentation	
RADIOCHEMISTRY	
Alpha Particles/Beta Particles/Gamma Rays	
MATTER-RADIATION INTERACTIONS	
Photoelectric Effect/Compton Effect/Coherent Scattering/	
Pair Production/Photodisintegration	
DECAY SCHEMES	
Alpha Particle, Beta Particle, and Gamma Ray Production	
UNITS OF MEASUREMENT	
Curie/Decay Constant/Half-Life	
INSTRUMENTATION	
INSTRUMENTS	
Film Badge/Survey Meter/Scintillation Counter	
RADIOIMMUNOASSAY	
Competitive Binding Assay	
Immunoradiometric Assay	
Basic Kinetics of RIA	
Antigen	
Antibody Production	
Incubation	
Separation and Counting	
Dose Response Curves	
Commercial Kits	
QUALITY ASSURANCE	
BIBLIOGRAPHY AND RECOMMENDED READINGS	365

URINALYSIS

Physical/Chemical/Microscopic Examination

ANALYSIS OF CEREBROSPINAL FLUID

Physical/Chemical/Microscopic Examination

ANALYSIS OF SYNOVIAL FLUID

Physical/Chemical/Microscopic Examination

ANALYSIS OF SEROUS FLUIDS

Pleural Fluid

Pericardial Fluid

Peritoneal Fluid

ANALYSIS OF AMNIOTIC FLUID

Chemical Examination

ANALYSIS OF SEMINAL FLUID

Physical/Microscopic Examination

BIBLIOGRAPHY AND RECOMMENDED READINGS

393

11

QUALITY CONTROL/MANAGEMENT IN THE CLINICAL LABORATORY

394

NEED FOR QUALITY

BRIEF HISTORY OF THE CLINICAL LABORATORY AND QUALITY CONTROL
SETTING UP A TOTAL QUALITY CONTROL PROGRAM

Manual

Physical Restraints

Personnel Needs

Non-laboratory Dependent Sources Affecting Quality Control

Specimen Collection and Preparation

Procedure Manual

Water Analysis

Instrument Maintenance

Purchasing of Quality Supplies and Inventory

Error Detection--Normal and Abnormal Controls

External Survey Programs

Quality Evaluations

Continuing Education Program

Method of Evaluation and Selection

Supervision

BIBLIOGRAPHY AND RECOMMENDED READINGS

445

INDEX

446

Chapter 1

Bacteriology

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OUTLINE

INTRODUCTION

THE STAPHYLOCOCCI

- Morphology/Staining/Physiology

- Staphylococcus aureus

 - Bacteriological Identification

 - Pigmentation

 - Diagnostic Criteria

 - Bacteriological Media and Colony Characteristics

 - Antibiotic Resistance

 - Epidemiology

 - Immunization

 - Treatment

- Staphylococcus epidermidis

 - General Characteristics

 - Virulence

 - Treatment

- Staphylococcus saprophyticus

 - General Characteristics

 - Pathogenicity

 - Isolation

 - Treatment

 - Differentiation of the Staphylococci

THE STREPTOCOCCI

- Morphology/Staining/Physiology

- Classification of the Streptococci

 - Pathogenicity

 - Streptococci Body Invasion Factors

 - Laboratory Identification

 - Hemolysis

 - Gram Stain

 - Catalase Test

2 Medical Technology Review

Beta Streptococci

Streptococcus pyogenes

Selected Biochemical Tests Used to Identify the Streptococci

Identification of Alpha and Gamma Streptococci

Identification of Group D Streptococci, Enterococci, and Nonenterococci

Epidemiology

Treatment of Streptococci Infections

Streptococcus pneumoniae

Morphology/Staining/Physiology

Identification of Streptococcus pneumoniae

Treatment

THE NEISSERIA

Morphology/Staining/Physiology

Pathogenicity

Specimen Types and Collection

Urethral Specimens

Endocervical Specimens

Anorectal Specimens

Pharyngeal Specimens

Conjunctival Specimens

Other Specimens

Culture Inoculation/Transport

Isolation Procedures

Identification Procedures

Agar Plate Morphology

Oxidase Test

Oxidase Positive Bacteria other than Neisseria

Carbohydrate Tests

Fluorescent Antibody Staining

Treatment of Gonorrhea

Immunity

Neisseria meningitidis

Morphology/Staining/Physiology

Isolation/Diagnosis

Treatment

Immunity

Other Neisseria

Neisseria sicca

Neisseria subflava

Neisseria flavescens

Neisseria mucosa

SPECIES RELATED TO NEISSERIA

Branhamella

Acinetobacter

THE ENTERIC BACILLI

Conventional Classification of the Enteric Bacilli

Bergey's Manual of Determinative Bacteriology

Edwards and Ewing

Morphology/Staining/Physiology

Pigmentation on Differential or Selective Media

Preliminary Identification

BIOCHEMICAL DISTINCTION

Triple Sugar Iron Agar

Kligler Iron Agar

Lysine Iron Agar

API SYSTEM (API 20E)

- Background Information
- Profile Recognition System
- Chemical and Physical Principles
- Specimen Collection and Processing
- Preparation of Bacterial Suspension
- Inoculation of API Strips
- Incubation of API Strips
- Identification of Organisms
- Biochemical Differentiation of Enterobacteriaceae on API 20E
- Limitations

THE VIBRIOS AND AEROMONAS

- General Characteristics
- Vibrio cholerae*
 - Morphology/Staining/Physiology
 - Biotypes of *Vibrio cholerae*
 - Infection
 - Clinical Diagnosis
 - Virulence
 - Treatment
 - Immunity
 - Epidemiology
- Vibrio parahaemolyticus*
 - Morphology/Staining

THE AEROMONAS

- Morphology/Staining
- Aeromonas hydrophila*

THE PSEUDOMONAS

- Pseudomonas aeruginosa*
 - Morphology/Staining/Physiology
 - Pathogenicity
 - Virulence
 - Treatment
 - Laboratory Diagnosis
- Pseudomonas mallei*
 - Pathogenicity

THE BRUCELLAE

- Morphology/Staining/Physiology
- Pathogenicity
 - Brucella abortus*
 - Brucella suis*
 - Brucella melitensis*
- Laboratory Diagnosis
- Treatment

BORDETELLA

- General Characteristics/Species
- Bordetella pertussis*
 - Specimen Collection
 - Swab Technique
 - Cough Plate
- Pathogenicity
- Epidemiology
- Treatment
- Immunity
- Bordetella parapertussis*
- Bordetella bronchiseptica*

4 Medical Technology Review

FRANCISELLA

- Morphology/Staining/Physiology
- Francisella tularensis
 - Morphology/Staining/Physiology
 - Laboratory Identification
 - Pathogenicity
 - Treatment
- Francisella novicida

PASTEURELLA

- Pasteurella multocida
 - Characteristics
 - Pathogenicity
 - Treatment

HAEMOPHILUS

- Haemophilus influenzae
 - Morphology/Staining/Physiology
 - Pathogenicity
- Haemophilus haemolyticus
- Haemophilus parainfluenzae
- Haemophilus parahaemolyticus
- Haemophilus paraphrophilus
- Haemophilus paraphrohaemolyticus
- Haemophilus aphrophilus
- Haemophilus ducreyi
 - Treatment
- Haemophilus vaginalis
- Several Characteristics of the Haemophilus Species

CLOSTRIDIUM

- Morphology/Staining
- Pathogenicity
- Bacteriological Characteristics
- Identification
- Biochemical Characteristics

BACILLUS

- General Characteristics
- Bacillus anthracis
 - Morphology/Staining/Physiology
 - Pathogenicity
 - Bacteriological Identification
 - Treatment
- Bacillus cereus
- Characteristics which Differentiate B. anthracis and B. cereus

LISTERIA

- General Characteristics
- Listeria monocytogenes
 - Morphology/Staining/Physiology
 - Isolation and Identification
 - Monocytosis
 - Determination of Pathogenicity
 - Treatment

ERYSIPELOTHRIX

- Erysipelothrix rhusiopathiae
 - Erysipeloid
- Morphology/Staining/Physiology
- Pathogenicity
- Treatment