

PART I: Principles of Immunodiagnosics in Parasitic Infections

Chapter 1: Introduction to Parasitology. Chapter 2: Immunodiagnosics of Parasitic Infections: A Chronological History. Chapter 3: Immunological Responses in Parasitic infections. Chapter 4: Principles of Immunological Techniques. Chapter 5: Collection, Transport and Preservation of specimens. Chapter 6: Quality Assurance in Immunological Tests.

PART II: Immunodiagnosics in Parasitic Infections

UNIT 1: ANTIGEN AND ANTIBODY BASED SEROLOGICAL TESTS

Chapter 7: Carrier Particles Based Agglutination Tests. Chapter 8: Precipitation Reaction Based Tests. Chapter 9: Complement Fixation Based Tests. Chapter 10: Enzyme Based Tests. Chapter 11: Fluorescent Dye Based Tests. Chapter 12: Immunoblot Tests. Chapter 13: Chemiluminescence Based Tests.

UNIT 2: MISCELLANEOUS TESTS

Chapter 14: Immunohistochemical Techniques. Chapter 15: Intradermal Skin Tests, Dye Test. Chapter 16: Immunodiagnosics in Animals of Zoonotic Importance.

PART III: RECENT TRENDS IN IMMUNODIAGNOSTICS OF PARASITIC INFECTIONS

Chapter 17: Rapid Point of Care Tests. Chapter 18: Biomarkers and Evolving Molecular Immunodiagnostic Tests (PCR-ELISA, Flow Cytometry). Chapter 19: Immunoelectron Microscopy.

ANNEXURES

I. Designing of an Immunodiagnostic Laboratory. II. Diagnostic Commercial Immunological Kits for Parasitic Infections. III. Commercial Sources of Reagents and Chemicals. IV. Indian Academy of Tropical Parasitology (IATP) Guidelines for Parasitic Disease Diagnosis.