

Microbiology Laboratory Theory And Application 3rd Edition

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Theory and application of Microbiological Assay ...

This brief version of the best-selling laboratory manual Microbiology: Laboratory Theory and Application, is intended for majors or non-majors in introductory microbiology laboratory courses. This full-color manual is appropriate for courses populated primarily by allied health students and courses with a preference for an abbreviated number of experiments.

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Diagnostic Molecular Microbiology is the first major text to provide complete coverage of both the principles and applications of molecular diagnostic methods as they pertain to infectious diseases. Written and edited by leading international experts, this text provides both the theoretical and practical framework for understanding the powerful uses of nucleic acid amplification technologies and for applying these techniques to the rapid detection and characterisation of microbial pathogens (bacterial, viral, fungal, parasitic) in the clinical laboratory. The nine chapters in part 1: Principles summarise the basic theory underlying the emerging discipline of molecular diagnostics. The sixty–six protocols in part 2: Applications, offer proven applications of molecular diagnostic techniques for the diagnosis of infectious diseases. Written in the tradition of ASM’s other classic manuals, this book provides a valuable reference and teaching tool for any clinical microbiology laboratory.

Microbiology is the study of all living organisms that are too small to be visible with the naked eye. This includes bacteria, archaea, viruses, fungi, prions, protozoa and algae, collectively known as 'microbes'. The guide is broken down into 18 easy to read chapters and covers:

- Introduction to Microbes and the Microbial World
- Classification of Microbes
- Observing Microbes
- Microbial Genetics
- Microbial Metabolism and Growth
- Viruses
- Bacterial and Viral Diseases
- Innate and Passive Immunity
- Antimicrobial Drugs
- And MUCH MUCH MORE...

New Scientist magazine was launched in 1956 "for all those men and women who are interested in scientific discovery, and in its industrial, commercial and social consequences".

The brand's mission is no different today - for its consumers, New Scientist reports, explores and interprets the results of human endeavour set in the context of society and culture.

Laboratory Applications in Microbiology: A Case Study Approach uses real-life case studies as the basis for exercises in the laboratory. This is the only microbiology lab manual focusing on this means of instruction, an approach particularly applicable to the microbiology laboratory.

The author has carefully organized the exercises so that students develop a solid intellectual base beginning with a particular technique, moving through the case study, and finally applying new knowledge to unique situations beyond the case study.

A world list of books in the English language.

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This newest addition to the best-selling Microbiology: Laboratory Theory & Application series of manuals provides an excellent value for courses where lab time is at a premium or for smaller enrollment courses where customization is not

