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Titolo	Antibiotics in laboratory medicine // Daniel Amsterdam, Phd, ABMM, FAAAS, FIDSA, Professor, Department of Microbiology & Immunology, Medicine, and Pathology, School of Medicine and Biomedical Sciences, State University of New York at Buffalo, Chief of Service, Department of Laboratory Medicine, Erie County MEdical Center, Buffalo, New York
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Nota di contenuto	The breakpoint / Matthew A. Wikler, Franklin R. Cockerill III, and Paul G. Ambrose -- Antimicrobial susceptibility on solid media / John D. Turnidge and Jan M. Bell -- Susceptibility testing of antimicrobials in liquid media / Daniel Amsterdam -- Antimicrobial susceptibility testing of anaerobic bacteria / Anilrudh A. Venugopal and David W. Hecht -- Antimycobacterial agents : in vitro susceptibility testing and mechanisms of action and resistance / Clark B. Inderlied and Edward Desmond -- Antifungal drugs : mechanisms of action, drug resistance, susceptibility testing, and assays of activity in biologic fluids / George R. Thompson III and Thomas F. Patterson -- Antimicrobial susceptibility testing for some atypical microorganisms (Chlamydia, Mycoplasma, Rickettsia, Ehrlichia, Coxiella, and Spirochetes) / Jean-Marc Rolain -- Applications, significance of, and methods for the measurement of antimicrobial concentrations in human body fluids / Shelly Latte, Emilia Mia Sordillo, and Stephen C. Edberg -- Molecular methods for the detection of antibacterial resistance genes : rationale and application /

Kristin Hegstad, Torjan Samuelsen, Joachim Hegstad, and Arnfinn Sundsfjord -- Molecular mechanisms of action for antimicrobial agents : general principles and mechanisms for selected classes of antibiotics / Charles William Stratton -- Antiviral agents for HIV, hepatitis, cytomegalovirus, and influenza : susceptibility testing methods, modes of action, and resistance / Daniel Amsterdam -- Disinfectants and antiseptics : modes of action, mechanisms of resistance, and testing regimens / Daniel Amsterdam and Barbara E. Ostrov -- Evaluation of antimicrobials in experimental animal infections / D.A. Andes, Alexander J. Lepak, Niels Frimodt-Moller -- Extravascular antimicrobial distribution and the respective blood and urine concentrations in humans / David M. Bamberger, John W. Foxworth, Michael Alan Kallenberger, Brian S. Pepito, and Dale N. Gerding -- Appendix : antiinfective resistance resource guide / Daniel Amsterdam.

Sommario/riassunto

Apply the newest approaches to evaluate microbial susceptibility. Antibiotics in Laboratory Medicine has been the defining reference source on evaluating the effectiveness of antibiotic compounds in treating infectious diseases for over 35 years. This thoroughly updated 6th Edition, edited by Daniel Amsterdam and featuring contributions from an elite team of leading international experts, equips you with all the latest methods for analyzing the mechanisms of activity/resistance of various pathogens, assessing their susceptibility to potential treatments, and detecting drug resistance and multi
