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Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Section I: General topics in clinical virology -- Virus taxonomy / Steven J. Drews -- Quality control/quality assurance / Matthew J. Bankowski -- Regulatory compliance / Linoj Samuel -- Laboratory safety / Sue C. Kehl -- Laboratory Design / Matthew J. Binniker -- Section II: Laboratory procedures for detecting viruses -- Specimen selection, collection, transport, processing, and storage / Reeti Khare and Thomas E. Grys -- Primary isolation of viruses / Marie L. Landry and Diane S. Leland -- Antigen detection methods (IFA, solid-phase immunoassays) / Diane S. Leland and Ryan F. Rlich -- serologic methods (IFA, IA, WB, HA, HI, Neut, IgM-specific methods) / Dongxiang Xia, Debra A. Wadford, Christopher P. Preas, and David P. Schnurr -- Nucleic acid extraction in diagnostic virology / Raymond H. Widen -- Nucleic acid amplification by polymerase chain reaction / Ana Maria Cardenas and Kevin Alby -- Isothermal nucleic acid amplification methods / Harald H. Kessler and Evelyn Stelzl -- Quantitative molecular methods / Natalie N. Whitfield and Donna M. Wolk -- Signal amplification methods / Yun (Wayne) Wang -- Sequencing methods / Joanne Bartkus -- Phenotypic and genotypic antiviral susceptibility testing / Martha T. Van Der Beek and Eric C. J. Claas -- Point-of-care diagnostic virology / James J. Dunn and Lakshmi Chandramohan -- Future technology / Erin Mcelvania Tekipe and Carey-Ann D. Burnham

-- Section III: Viral pathogens -- Respiratory viruses / Christine Robinson -- Enteroviruses and parechoviruses / M. Steven Oberste and Mark A. Pallansch -- Measles, mumps, and rubella viruses / William J. Bellini, Joseph P. Icenogle, and Carole J. Hickman -- Gastrointestinal viruses / Michael D. Bowen -- Hepatitis A and E viruses / Gilberto Vaughan and Michael A. Purdy -- Hepatitis B and D viruses / Rebecca T. Horvat -- Hepatitis C virus / David Hillyard and Melanie Mallory -- Herpes simplex viruses and Varicella-Zoster virus / Mark Prichard -- Cytomegalovirus / Preeti Pancholi and Stanley I. Martin -- Epstein-Barr virus / Derrick Chen and Belinda Yen-Lieberman -- Human herpesviruses 6, 7, and 8 / Sheila C. Dollard and Tim Karnauchow -- Human papillomaviruses / Susan Novak-Weekley and Robert Pretorius -- Human polyomaviruses / Rebecca J. Rockett, Michael D. Nissen, Theo P. Sloots, and Seweryn Bialasiewicz -- Parvovirus / Richard S. Buller -- Poxviruses / Ashley V. Kondas and Victoria A. Olson -- Rabies virus / Robert J. Rudd -- Arboviruses / Laura D. Kramer, Elizabeth B. Kauffman, and Norma P. Tavakoli -- Animal-borne viruses / Gregory J. Berry, Michael J. Loeffelholz, and Gustavo Palacios -- Human immunodeficiency virus and human T-lymphotropic viruses / Jorg Schupbach -- Chlamydiae / Bobbie Van Der Pol and Charlotte A. Gaydos -- Human virome / Matthew C. Ross, Nadim J. Ajami, and Joseph F. Petrosino -- Human susceptibility and response to viral diseases / Ville Peltola and Jorma Ilonen -- Appendices: Reference virology laboratories -- A. Reference virology laboratories at the Centers for Disease Control and Prevention / Roberta B. Carey -- B. U.S. state and local public health laboratories / Jane Getchell -- C. International reference laboratories/laboratory systems / Ariel Suarez and Cristina Videla.

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