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ISBN	3-319-77694-0
Edizione	[1st ed. 2018.]
Descrizione fisica	1 online resource (144 pages)
Collana	Techniques in Life Science and Biomedicine for the Non-Expert, , 2367-1114
Disciplina	616.075
Soggetti	Diagnosis, Laboratory Immunology Laboratory Medicine
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Foreword -- Preface -- Acknowledgements -- Introduction to the Immune System -- Antibody and antigen interaction -- Precipitation and Agglutination Reactions -- Rapid Plasma Reagin (RPR) Test -- Treponema pallidum heamagglutination (TPHA) Test -- Stained Brucella suspensions -- Rheumatoid Factor (RF) -- Suspension Anti-streptolysin-O (ASO/ASL) Test -- C-Reactive Protein (CRP) Latex Agglutination Test -- Complement fixation Test (CFT) -- Radioimmunoassay (RIA) -- Enzyme-immunoassay (EIAs) and Enzyme-linked immunosorbent (ELISA) -- Pregnancy Test -- Radial immunodiffusion (RID) -- Immunofixation electrophoresis (IFE) -- Immunofluorescence assay (IF).
Sommario/riassunto	This book discusses in detail various serological tests that are used to identify medical conditions and diseases, from a general overview of each test to the equipment and steps needed to carry them out. The book is aimed specifically at immunology students and professionals who may occasionally need to use these tests, and thus lack training and experience in performing them. The book provides a brief overview of the immune system, including antibodies, antigens, and their interactions. The bulk of the book is comprised of 16 chapters that each explain different serological tests. These chapters start with a general introduction of the test or disease being detected, followed by

the test principle, reagents required for the test, procedures and steps to perform the test, and, finally, result interpretation. Both test principles and result interpretation segments include illustrations to aid comprehension. In addition, the book also enables the reader to distinguish between positive and negative results in serological testing.
