



The Immunoassay Handbook

Download now

[Click here](#) if your download doesn't start automatically

The Immunoassay Handbook

The Immunoassay Handbook

In the seven years since the first edition of this much-acclaimed reference work was published, both the technology and applications of immunoassay testing have grown exponentially. Immunoassays have become the single most commercially successful method of clinical testing throughout the world, prevalent in diagnostics in the forms of AIDS testing, therapeutic drug monitoring, and the detection and regulation of growth hormones, just to name a few.

The second edition of The Immunoassay Handbook will not only help the clinical physician understand the most up-to-date science behind new, groundbreaking immunoassay systems, but will also prove invaluable to the research scientist, covering practical methodologies on collecting samples and troubleshooting for problems that occur at the point of testing. Also included is a rigorous review of the market, complete with analyses of 32 immunoassay systems and predicted trends for the future.

The second edition has been expanded to include seventeen brand new chapters, as well as exhaustive additions and revisions of pre-existing chapters. From the most basic understanding of the principles of immunoassay to exacting specifications on technological calibration, each chapter of The Immunoassay Handbook is presented in a clear, standardized style, with hundreds of tables, illustrations, charts, and photographs.

The Handbook is divided into four sections:

Part 1: PRINCIPLES

- An extensive, accessible description of the theory of immunoassay from radioimmunoassays to immunobiosensors.
- An ideal introduction to immunoassay technology for students, professors, research staff, and professionals who market and sell immunoassay products.
- Ten entirely new chapters including coverage of: Ambient Analyte Assay (Roger Elkins), Immunoassay Development in the in vitro Diagnostic Industry (Douglas Brandt and Steven Figard), Signal Generation and Detection Systems (Larry Kricka and David Wild) and Homogeneous Immunoassays (Edwin F. Ullman).

Part 2: PRODUCT TECHNOLOGY

- Describes the features, technologies, and chemistry behind 32 diagnostic systems, more than half of which have been developed since publication of the first edition.
- Significantly expanded coverage of near-patient tests.
- Objective feedback, evaluation and comparison between systems, beginning with chapters on Choosing an Immunoassay System (Lori J. Sokoll and Daniel W. Chan) and Market Trends (David Huckle and David Wild).

Part 3: LABORATORY MANAGEMENT

- Importance of subject handling, sample collection, quality assurance, and laboratory information systems.
- Comprehensive troubleshooting guide for manual and automated systems and special chapters on Point-of-Care Testing (James H. Nichols) and the Clinical Laboratory Improvement Amendments of 1988 (Fred D. Lasky).

Part 4: APPLICATIONS

- Describes the main clinical, research, and veterinary applications for immunoassays.

·Each clinical chapter begins with a condensed guide to normal and disease states, and includes detailed descriptions of more than 300 different analytes.

·Coverage includes chapters on Cardiac Markers (Alan H.B. Wu), Autoimmune Disease (David F. Keren), and Immunoassay Applications in Life Science Research (Michael J. O'Sullivan, Steve Capper, Jeffrey K. Horton, John Whateley, and Peter Baxendale).

In addition to a list of contributors with their affiliations and a 40-page index, The Immunoassay Handbook, second edition also contains a foreword by Rosalyn Yalow, winner of the Nobel Prize in Medicine (1977) for her groundbreaking work in developing radioimmunoassay.

In the ever-changing world of medical diagnostics, The Immunoassay Handbook, second edition will prove an invaluable reference to clinical and research scientists alike, describing the theory and demystifying the science behind this cutting-edge technology.

 [Download The Immunoassay Handbook ...pdf](#)

 [Read Online The Immunoassay Handbook ...pdf](#)

Download and Read Free Online The Immunoassay Handbook

From reader reviews:

Jennifer Carter:

In other case, little individuals like to read book The Immunoassay Handbook. You can choose the best book if you appreciate reading a book. As long as we know about how is important some sort of book The Immunoassay Handbook. You can add understanding and of course you can around the world by way of a book. Absolutely right, since from book you can recognize everything! From your country till foreign or abroad you will be known. About simple point until wonderful thing you are able to know that. In this era, we are able to open a book or maybe searching by internet product. It is called e-book. You can utilize it when you feel fed up to go to the library. Let's go through.

Carrie Wakefield:

Do you among people who can't read pleasurable if the sentence chained inside the straightway, hold on guys this kind of aren't like that. This The Immunoassay Handbook book is readable simply by you who hate those straight word style. You will find the data here are arrange for enjoyable reading through experience without leaving even decrease the knowledge that want to supply to you. The writer involving The Immunoassay Handbook content conveys prospect easily to understand by most people. The printed and e-book are not different in the content material but it just different by means of it. So , do you continue to thinking The Immunoassay Handbook is not loveable to be your top checklist reading book?

Gladys Myers:

Playing with family in the park, coming to see the ocean world or hanging out with pals is thing that usually you have done when you have spare time, then why you don't try matter that really opposite from that. One particular activity that make you not experience tired but still relaxing, trilling like on roller coaster you already been ride on and with addition info. Even you love The Immunoassay Handbook, you are able to enjoy both. It is fine combination right, you still wish to miss it? What kind of hang type is it? Oh occur its mind hangout folks. What? Still don't buy it, oh come on its referred to as reading friends.

Willie Briggs:

In this era globalization it is important to someone to get information. The information will make you to definitely understand the condition of the world. The condition of the world makes the information quicker to share. You can find a lot of sources to get information example: internet, newspapers, book, and soon. You will observe that now, a lot of publisher that print many kinds of book. The book that recommended for you is The Immunoassay Handbook this e-book consist a lot of the information in the condition of this world now. This particular book was represented so why is the world has grown up. The words styles that writer use to explain it is easy to understand. Often the writer made some exploration when he makes this book. That is why this book ideal all of you.

**Download and Read Online The Immunoassay Handbook
#0ZLNE3V7OKW**

Read The Immunoassay Handbook for online ebook

The Immunoassay Handbook Free PDF d0wnl0ad, audio books, books to read, good books to read, cheap books, good books, online books, books online, book reviews epub, read books online, books to read online, online library, greatbooks to read, PDF best books to read, top books to read The Immunoassay Handbook books to read online.

Online The Immunoassay Handbook ebook PDF download

The Immunoassay Handbook Doc

The Immunoassay Handbook Mobipocket

The Immunoassay Handbook EPub