



The Immunoassay Handbook, Fourth Edition: Theory and Applications of Ligand Binding, ELISA and Related Techniques

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The fourth edition of *The Immunoassay Handbook* provides an excellent, thoroughly updated guide to the science, technology and applications of ELISA and other immunoassays, including a wealth of practical advice. It encompasses a wide range of methods and gives an insight into the latest developments and applications in clinical and veterinary practice and in pharmaceutical and life science research.

Highly illustrated and clearly written, this award-winning reference work provides an excellent guide to this fast-growing field. Revised and extensively updated, with over 30% new material and 77 chapters, it reveals the underlying common principles and simplifies an abundance of innovation.

The Immunoassay Handbook reviews a wide range of topics, now including lateral flow, microsphere multiplex assays, immunohistochemistry, practical ELISA development, assay interferences, pharmaceutical applications, qualitative immunoassays, antibody detection and lab-on-a-chip.

This handbook is a must-read for all who use immunoassay as a tool, including clinicians, clinical and veterinary chemists, biochemists, food technologists, environmental scientists, and students and researchers in medicine, immunology and proteomics. It is an essential reference for the immunoassay industry.

Provides an excellent revised guide to this commercially highly successful technology in diagnostics and research, from consumer home pregnancy kits to AIDS testing. www.immunoassayhandbook.com is a great resource that we put a lot of effort into. The content is designed to encourage purchases of single chapters or the entire book.

David Wild is a healthcare industry veteran, with experience in biotechnology, pharmaceuticals, medical devices and immunodiagnostics, which remains his passion. He worked for Amersham, Eastman-Kodak, Johnson & Johnson, and Bristol-Myers Squibb, and consulted for diagnostics and biotechnology

companies. He led research and development programs, design and construction of chemical and biotechnology plants, and integration of acquired companies. Director-level positions included Research and Development, Design Engineering, Operations and Strategy, for billion dollar businesses. He retired from full-time work in 2012 to focus on his role as Editor of *The Immunoassay Handbook*, and advises on product development, manufacturing and marketing.

- Provides a unique mix of theory, practical advice and applications, with numerous examples
- Offers explanations of technologies under development and practical insider tips that are sometimes omitted from scientific papers
- Includes a comprehensive troubleshooting guide, useful for solving problems and improving assay performance
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Editorial Review

Review

"The beauty of this book is that it covers the whole field of immunoassay from reagents to method development, interferences and applications...The fourth edition does not disappoint. It is an essential reference manual for staff using immunoassays and to students in the field of laboratory medicine and other science disciplines." --**Annals of Clinical Biochemistry, November 2013**

"The book starts out very basic with principles of immunoassays ('immunoassays for beginners') and builds progressively to discuss immunoassay components, configurations, development, implementation, product technology, applications other than clinical chemistry, and concludes with 23 chapters on clinical applications to human disease...This is the single 'go-to' book for any questions regarding immunoassays. If this is an area of interest for you, you must have this edition." --**Doody.com, November 2013**

"Editors Wild, John, Sheehan, Binder, and He present this handbook on the highly sensitive technique of immunoassay...Equations, figures, and real-world examples are used to clarify mechanisms and analysis. The range of detail makes it appropriate as both a pedagogical resource and a reference for immunology labs." --**Reference and Research Book News, October 2013**

"...it must be stated that there is much of value in the volume [2nd Ed.]. It is a useful and informative addition to any scientific library." --**Robert F. Ritchie, Foundation for Blood Research, Scarborough, USA**

About the Author

David Wild is a healthcare industry veteran, with experience in biotechnology, pharmaceuticals, medical devices and immunodiagnostics, which remains his passion. He worked for Amersham, Eastman-Kodak, Johnson & Johnson, and Bristol-Myers Squibb, and consulted for diagnostics and biotechnology companies. He led research and development programs, design and construction of chemical and biotechnology plants, and integration of acquired companies. Director-level positions included Research and Development, Design Engineering, Operations and Strategy, for billion dollar businesses. He retired from full-time work in 2012 to focus on his role as Editor of The Immunoassay Handbook, and advises on product development, manufacturing and marketing.

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