

}essentials{

Patric U. B. Vogel

# Validation of bioanalytical methods



Springer

---

# essentials

*essentials* provide up-to-date knowledge in concentrated form. The essence of what is important as “state-of-the-art” in the current technical discussion or in practice. *essentials* provide information quickly, easily and understandably

- as an introduction to a current topic in your field
- as an introduction to a topic that is still unknown to you
- as an insight to be able to have a say on the topic

The books in electronic and printed form present the specialist knowledge of Springer authors in a compact manner. They are particularly suitable for use as e-books on tablet PCs, e-book readers and smartphones. *essentials* are knowledge building blocks from economics, social sciences and humanities, from technology and natural sciences as well as from medicine, psychology and health professions. By renowned authors from all Springer publishing brands.

---

Patric U. B. Vogel

# Validation of bioanalytical methods



Springer

Patric U. B. Vogel  
Vogel Pharmopex24  
Cuxhaven, Germany

ISSN 2197-6708  
essentials

ISSN 2197-6716 (electronic)

ISBN 978-3-658-38912-3

ISBN 978-3-658-38913-0 (eBook)

<https://doi.org/10.1007/978-3-658-38913-0>

© The Editor(s) (if applicable) and The Author(s), under exclusive license to Springer Fachmedien Wiesbaden GmbH, part of Springer Nature 2023

This work is subject to copyright. All rights are solely and exclusively licensed by the Publisher, whether the whole or part of the material is concerned, specifically the rights of translation, reprinting, reuse of illustrations, recitation, broadcasting, reproduction on microfilms or in any other physical way, and transmission or information storage and retrieval, electronic adaptation, computer software, or by similar or dissimilar methodology now known or hereafter developed.

The use of general descriptive names, registered names, trademarks, service marks, etc. in this publication does not imply, even in the absence of a specific statement, that such names are exempt from the relevant protective laws and regulations and therefore free for general use.

The publisher, the authors, and the editors are safe to assume that the advice and information in this book are believed to be true and accurate at the date of publication. Neither the publisher nor the authors or the editors give a warranty, expressed or implied, with respect to the material contained herein or for any errors or omissions that may have been made. The publisher remains neutral with regard to jurisdictional claims in published maps and institutional affiliations.

This Springer Spektrum imprint is published by the registered company Springer Fachmedien Wiesbaden GmbH, part of Springer Nature.

The registered company address is: Abraham-Lincoln-Str. 46, 65189 Wiesbaden, Germany