

MICROBIOLOGICAL CULTURE MEDIA

A COMPLETE GUIDE
FOR PHARMACEUTICAL
AND HEALTHCARE
MANUFACTURERS



Tim Sandle

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Microbiological Culture Media:

A Complete Guide for Pharmaceutical and Healthcare Manufacturers

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About the Book

This book is about microbiological culture media as applied to pharmaceutical microbiology. The central aim of this book is to look at how media is used in the modern pharmaceutical microbiology setting. It takes into account that innovations continue to arise with new media recipes being formulated for the selection of new strains to the application of media in conjunction with rapid microbiological methods. To do this requires an acknowledgement of the outcomes of the human microbiome research, which highlight that the vast extent of the microbial world is non-culturable; and an understanding of how rapid and alternative microbiological methods are altering the approach to testing and assessment.

Tim Sandle takes into account the fact that 90 percent of quality control microbiology remains reliant upon culture based methods. While the core pharmacopeia tests remain culture-dependent and many of the emergent rapid methods are culture-based as well, it also stands that reviews of the seemingly well understood (how to undertake growth promotion testing, for instance) and the less well understood (determining the incubation parameters for environmental monitoring, for example) are needed.

This unique text is dedicated to the use of culture media in the pharmaceutical microbiology setting and recaps the past, signals the future, and helps interpret the present.

About the Author

Dr. Tim Sandle is Head of Microbiology at Bio Products Laboratory, UK and visiting tutor with the School of Pharmacy and Pharmaceutical Sciences, University of Manchester. He serves on several national and international committees related to pharmaceutical microbiology and cleanroom contamination control including Pharmig and PDA technical working groups. He is a member of several editorial boards, the author of over 500 book chapters, peer-reviewed technical articles and several books published including *Aseptic and Sterile Processing* co-edited with Edward C. Tidswell co-published by PDA and DHI Publishing.

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