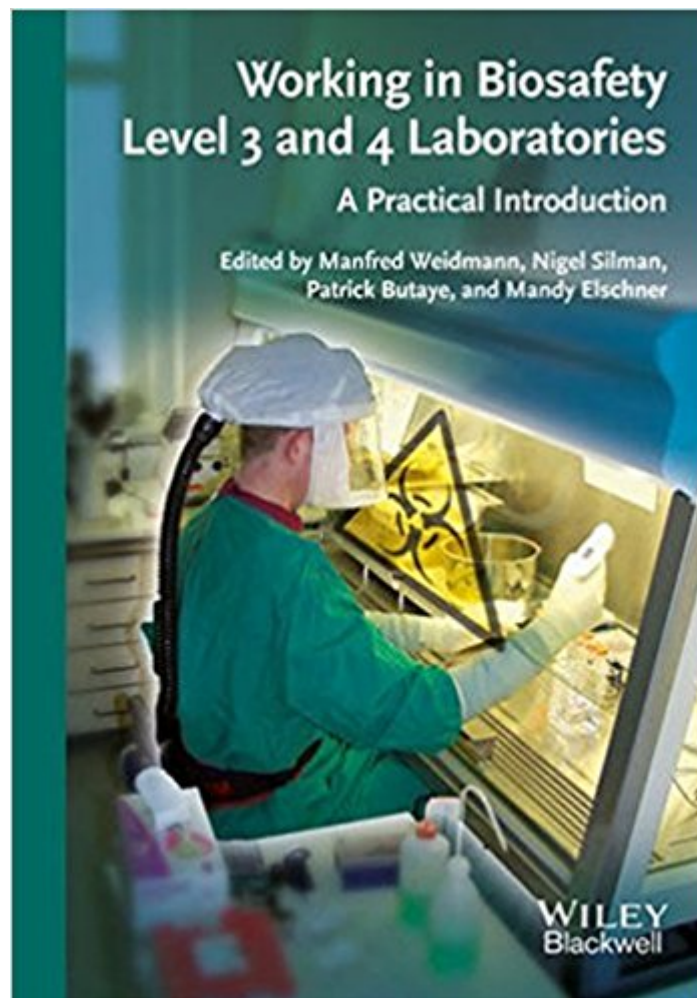


The book was found

# Working In Biosafety Level 3 And 4 Laboratories: A Practical Introduction



## Synopsis

The first training manual for new staff working in BSL3/4 labs. This guide is based on a course developed in 2007 by the EU COST action group 28b which serves as a standard for many courses BSL3/4 training courses worldwide. The four-day course consists of lectures and practical training with the lecturers covering all the different possibilities of organising a BSL-3/4 lab including the adaptation to the local requirements of biosafety, safety at work, and social regulations. This book covers bio-containment, hazard criteria and categorisation of microbes, technical specifications of BSL-3 laboratories and ABSL-3 laboratories, personal protective gear, shipping BSL-3 and BSL-4 organisms according to UN and IATA regulations, efficacy of inactivation procedures, fumigation, learning from a history of lab accidents, handling samples that arrive for diagnostic testing and bridging the gap between the requirements of bio-containment and diagnostics. Course participants can not only use the book for their actual training event but it will remain a useful reference throughout their career in BSL3/4 labs.

## Book Information

Paperback: 152 pages

Publisher: Wiley-Blackwell; 1 edition (December 4, 2013)

Language: English

ISBN-10: 352733467X

ISBN-13: 978-3527334674

Product Dimensions: 6.8 x 0.3 x 9.6 inches

Shipping Weight: 11.4 ounces (View shipping rates and policies)

Average Customer Review: Be the first to review this item

Best Sellers Rank: #4,979,157 in Books (See Top 100 in Books) #101 in [Books > Science & Math > Chemistry > Safety](#) #4236 in [Books > Medical Books > Basic Sciences > Microbiology](#) #11876 in [Books > Textbooks > Science & Mathematics > Biology & Life Sciences > Biology](#)

## Customer Reviews

This is a training manual for staff working in BSL3/4 laboratories. It is based on a course developed in the frame of COST Action B28 and subsequently funded by DG Home Affairs. It covers bio-containment, hazard criteria, the categorization of microbes, technical specifications for BSL-3 and ABSL-3 laboratories, personal protective equipment, and shipping BSL-3 and BSL-4 organisms according to UN and IATA regulations. It also examines the efficacy of inactivation procedures, fumigation, learning from a history of lab accidents, handling samples submitted for diagnostic

testing, and bridging the gap between the requirements of bio-containment and diagnostics. The result is a welcome tool for training new personnel, as well as a useful reference for all permanent staff working in BSL3/4 labs.

Mandy C. Elschner is a researcher at the Friedrich-Loeffler-Institute, Federal Research Institute for Animal Health, Institute for Bacterial Infections and Zoonoses, Jena, Germany. She leads the working group "BSL 3-agents" and is the head of the Reference Laboratories for Glanders and Anthrax. She obtained her academic degree at the University of Leipzig and authored and co-authored in 25 national and international publications. Patrick Butaye is a senior researcher active at the Veterinary and Agrochemical Research center and a professor at the University of Ghent, Faculty of Veterinary medicine. He obtained his academic degrees at the University of Ghent. He authored and co-authored in more than 70 international scientific publications. Manfred Weidmann is a senior scientist at the Department of Virology of the University Medical Center Gießen, Giessen Germany. He obtained his degree from the Johannes-Gutenberg University of Mainz working on the pathogenesis of *Clostridium difficile*. Ever since he has worked on developing rapid diagnostic tools for the detection of arboviruses and haemorrhagic fever viruses in cooperation with partners from third world countries. He obtained the 2003 Abbot Diagnostic Award. He authored and co-authored 28 international scientific publications. Nigel Silman is the Strategic Coordinator for Research & Development at the Health Protection Agency's Centre for Emergency Preparedness & Response at Porton Down in the UK. He is the HPA research lead for Diagnostics and Detection and also responsible for the scientific overview of specialist reference and contract microbiology services for a range of exotic & emerging infectious diseases. He has authored and co-authored 26 international scientific publications.

[Download to continue reading...](#)

Working in Biosafety Level 3 and 4 Laboratories: A Practical Introduction Biosafety in Microbiological and Biomedical Laboratories Racing to a Cure: A Cancer Victim Refuses Chemotherapy and Finds Tomorrow's Cures in Today's Scientific Laboratories Fundamentals of Space Systems (Johns Hopkins University Applied Physics Laboratories Series in Science and Engineering) Renewable Energy From the Ocean: A Guide to OTEC (Johns Hopkins University Applied Physics Laboratories Series in Science and Engineering) ISO/IEC 17025:2005, General requirements for the competence of testing and calibration laboratories Iso 15189:2012, Medical laboratories - Requirements for quality and competence RealTime Physics Active Learning Laboratories, Module 3: Electricity and Magnetism RealTime Physics Active Learning Laboratories,

Module 4: Light and Optics OIE Reference Laboratories and Collaborating Centres: 1st International Conference, Florianopolis, December 2006: Proceedings (Developments in Biologicals, Vol. 128)  
Safety in Academic Chemistry Laboratories - Volume 1: Accident Prevention for College and University Students Pollution Prevention and Waste Minimization in Laboratories Directory Of Toxicological And Related Testing Laboratories Environmental Science: Active Learning Laboratories and Applied Problem Sets Basic QC Practices: Training in Statistical Quality Control for Medical Laboratories Basic Method Validation: Training in Analytical Quality Management for Healthcare Laboratories RealTime Physics Active Learning Laboratories, Module 1: Mechanics An A-to-Z Pocket Guide to Living and Working in Saudi Arabia: Twenty-Six Things to Know about Living and Working in Saudi Arabia Working Length Determination: A Milestone in Endodontics: Comparative role of radiographs and electronic apex locator in working length determination Living & Working in Holland, Belgium & Luxembourg: A Survival Handbook (Living and Working)

[Contact Us](#)

[DMCA](#)

[Privacy](#)

[FAQ & Help](#)