

Lab Safety Manual Template

Introduction

Each Principal Investigator (PI) should develop and maintain a Lab Safety Manual for their laboratory. A lab safety manual: 1) contains safety information relevant to the laboratory's specific hazards and research materials, 2) serves as a training tool for lab personnel and should include documentation of such training, and 3) must be readily available to all research personnel in the lab.

A lab safety manual should include:

- Lab safety policies and Standard Operating Procedures (SOPs)
- Lab safety program key personnel
- Lab contact information
- Lab security procedures
- Hazard assessment information and Personal Protective Equipment (PPE) selection
- Lab emergency procedures
 - Spill response
 - Medical response
 - Lab- and building-specific evacuation information
- Descriptions of lab incidents, injuries, and corrective actions
- Safety training records for lab personnel
- Safety program correspondence

The lab safety manual should also include a Biosafety Manual for biological materials, a Chemical Hygiene Plan (CHP) for chemicals, a Radiation Permit for radioactive materials, and a Laser Safety Plan for Class 3b and 4 lasers.

Biosafety Manual – Laboratories operating at Biosafety Level 2 (BL-2) must dedicate a portion of the lab manual to Biosafety as per Biosafety in Microbiological and Biomedical Laboratories (BMBL) 5th Edition <http://www.cdc.gov/od/ohs/biosfty/bmbIS5/bmbIS5toc.htm>.

A Biosafety Manual should include:

- Lab-specific biosafety policies (e.g. hand-washing, food storage and eating, restricted access, daily surface decontamination, emergency spill and clean up procedures, use of PPE, etc.)
- Project-specific safety SOPs and copies of current Institutional Biosafety Committee (IBC) project registrations and approval letters
- DRS fact sheets on campus safety policies (e.g. Treatment and Disposal of Biological Materials, Handling and Disposal of Lab Sharps, etc.) which are available at: <http://www.drs.illinois.edu/bss/factsheets/>
- UIUC Exposure Control Plan (required only if working with human materials)
- Relevant sections of the BMBL (e.g. Sections I, II, & III pertaining to BL-1 and BL-2 practices; Appendix H pertaining to Working with Human and Other Primate Cells and Tissues, if applicable; Organism-specific information; etc.)
- Records/documentation of any required biosafety-related training (including reading and understanding Biosafety manual contents and lab policies)



Lab Safety Manual Sample

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Dasgupta, Kevin A. Schug**



Lab Safety Manual Sample:

Handbook of Laboratory Health and Safety Measures M.R. Pal, 2012-12-06 During the past two decades many books governmental reports and regulations on safety measures against chemicals fire microbiological and radioactive hazards in laboratories have been published from various countries These topics have also been briefly discussed in books on laboratory planning and management The application of various scientific instruments based on different ionizing and non ionizing radiations have brought new safety problems to the laboratory workers of today irrespective of their scientific disciplines be they in medicine natural or life sciences However no comprehensive laboratory handbook dealing with all these hazards some of which are recently introduced has so far been available in a single volume Therefore it was thought worthwhile to publish this handbook on safety and health measures for laboratories with contributions from several experts on these subjects As this is a multi author volume some duplication in content among the chapters is unavoidable in order to maintain the context of a chapter as well as to make each chapter complete An attempt has also been made to maintain the central theme which is how to work in a laboratory with maximum possible environmental safety I am indebted to Mr D G T Bloomer of MTP Press Limited who has undertaken the publication of this volume and to Mrs M R Lingard Pal for acting as an honorary editorial assistant S B PAL 1985 vii List of Contributors Numbers in parentheses indicate the page on which the authors articles begin P BOWKER B L **Complete Guide to Laboratory Safety** Terry Jo Gile, 2004 *Laboratory Safety Manual*, 1989 *Principles and Practice of Veterinary Technology - E-Book* Ann Wortinger, 2022-10-18 Thoroughly updated content throughout including major updates to anesthesia pain management critical care and infectious disease provides the most up to date information in these critical areas **Concise Guide to Workplace Safety and Health** Gary Chambers, 2011-01-05 Every organization must comply with occupational health and safety regulations Yet it is frequently unclear which actually apply in a given real life situation plus the field is loaded with technical terminology and complicated regulations Many managers trainers even safety and health professionals therefore find it hard to know how to comply

Principles and Practice of Veterinary Technology - E-Book Margi Sirois, 2016-07-19 Prepare for veterinary technician credentialing examinations and clinical practice with *Principles and Practice of Veterinary Technology* 4th Edition Reorganized and updated with the latest advances in the field this comprehensive text helps you develop strong critical thinking and independent work skills It includes expanded coverage of complementary medicine critical care pet health insurance and toxicology More than 80 step by step procedures throughout the text emphasize your roles and responsibilities for all AVMA required psychomotor techniques Plus dozens of summary tables and boxes make it easy to find key information Updated companion site with varying questions provide you with additional modes of study Step by step procedures help you learn the essential skills required to become a successful veterinary technician Summary tables and boxes condense key information to make complex material easier to understand Clinical discussion of the role of the technician allows you to

focus on your responsibilities in every aspect of practice NEW Expanded coverage of complementary medicine critical care pet health insurance and toxicology reflect advances in veterinary technology NEW Review questions throughout text help you to understand and retain core concepts *Handbook of Laboratory Health and Safety* R. Scott Stricoff, Douglas B. Walters, Louis J. DiBerardinis, 2010-10-18 The Handbook of Laboratory Health and Safety 3rd Edition provides a valuable reference tool for chemical and industrial hygienists laboratory personnel and professionals who need information and guidance on health and safety issues and regulatory compliance It presents a feasible easy to use approach to provide a safe workplace and to help protect the surrounding community and environment while complying with regulatory requirements This new edition provides updates to regulations in the field changes in crisis management and emergency planning biosafety advances in ergonomics behavioral safety science laboratory design and laboratory ventilation hoods and vented enclosures

CRC Handbook of Laboratory Safety A. Keith Furr, 1995-03-29 This Fourth Edition of the CRC Handbook of Laboratory Safety expands and updates the discussions found in the previous editions The latest technologies and issues are incorporated to keep managers and laboratory personnel up to date on programs to meet the needs of new regulations Every attempt has been made to ensure that the current edition is as up to date as possible by continually reviewing current regulatory standards Every article has been revised to reflect the newest changes Topics may be similar but the content may have changed significantly The wealth of information easily accessible in this new edition continues to make the CRC Handbook of Laboratory Safety an essential reference tool **Tietz Textbook of Laboratory Medicine - E-Book** Nader Rifai, 2022-02-03 Use THE definitive reference for laboratory medicine and clinical pathology Tietz Textbook of Laboratory Medicine 7th Edition provides the guidance necessary to select perform and evaluate the results of new and established laboratory tests Comprehensive coverage includes the latest advances in topics such as clinical chemistry genetic metabolic disorders molecular diagnostics hematology and coagulation clinical microbiology transfusion medicine and clinical immunology From a team of expert contributors led by Nader Rifai this reference includes access to wide ranging online resources on Expert Consult featuring the comprehensive product with fully searchable text regular content updates animations podcasts over 1300 clinical case studies lecture series and more Authoritative current content helps you perform tests in a cost effective timely and efficient manner provides expertise in managing clinical laboratory needs and shows how to be responsive to an ever changing environment Current guidelines help you select perform and evaluate the results of new and established laboratory tests Expert internationally recognized chapter authors present guidelines representing different practices and points of view Analytical criteria focus on the medical usefulness of laboratory procedures Use of standard and international units of measure makes this text appropriate for any user anywhere in the world Elsevier eBooks provides the entire text as a fully searchable eBook and includes animations podcasts more than 1300 clinical case studies over 2500 multiple choice questions a lecture series and more all included with print purchase NEW 19 additional chapters highlight

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Environmental Monitoring Handbook Frank R. Burden, Ian McKelvie, Ulrich Forstner, Alex Guenther, 2002-07-09 All the techniques you need in a single source Environmental Monitoring Handbook helps you with the most pervasive activity in environmental science taking and analyzing environmental samples from water air or land This book explains how to implement the various monitoring techniques for air water and soil Environmental Monitoring Handbook shows you how to get professional answers with the best testing and analysis methods in use today The Handbook covers such topics as Data Sampling and Analysis Statistics Sampling design Scale reduction PCA Monitoring Program Design and Logistics Chemical Monitoring In situ Measurements Trace metals Nutrients Non Metal Species Organic Matter Organic Carbon Biological Monitoring and Ecotoxicological Monitoring

Science Laboratory Safety Manual Linda M. Stroud, Kenneth Russell Roy, 2006

Fundamentals of Laboratory Safety William J. Mahn, 1991

Laboratory Management and Safety in the Science Classroom, 2001 Provides basic information about lab and field management and safety and includes reproducible worksheets and lessons for activities

Laboratory Safety Brinton Marshall Miller, Dieter Hans Max Gröschel, American Society for Microbiology, 1986

Analytical Chemistry Gary D. Christian, Purnendu K. Dasgupta, Kevin A. Schug, 2013-10-22 The 7th Edition of Gary Christian s Analytical Chemistry focuses on more in depth coverage and information about Quantitative Analysis aka Analytical Chemistry and related fields The content builds upon previous editions with more enhanced content that deals with principles and techniques of quantitative analysis with more examples of analytical techniques drawn from areas such as clinical chemistry life sciences air and water pollution and industrial analyses

Operation of Wastewater Treatment Plants: Chapters 12-14 Sacramento State College. Dept. of Civil Engineering, 1970

Hdbk Laboratory Safety A. Keith Furr, 1990 This book is dedicated primarily to my wife for her patience during the preparation of the manuscript It is also dedicated to many of the faculty and staff of my University for their cooperation in establishing many of the programs on which much of the material is based and to the staff of my department whose daily efforts have made many of these programs effective

The ACT Cytogenetics Laboratory Manual Association of Cytogenetic Technologists, 1991 Revised and expanded to cover advanced instrumentation techniques There are three separate chapters on peripheral blood culture continuous cell lines and prenatal diagnosis and culture and new chapters on solid tumours fragile sites and molecular cytogenetics

Special Publication, 1976

Manual of Office Bacteriology Peter R. Clyne, 1988

Enjoying the Track of Term: An Emotional Symphony within **Lab Safety Manual Sample**

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