## **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/bmbl5/bmbl5toc.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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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 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 Principles and Practice of Veterinary Technology - E-Book Margi Sirois, 2016-07-19 Prepare for veterinary comply 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

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