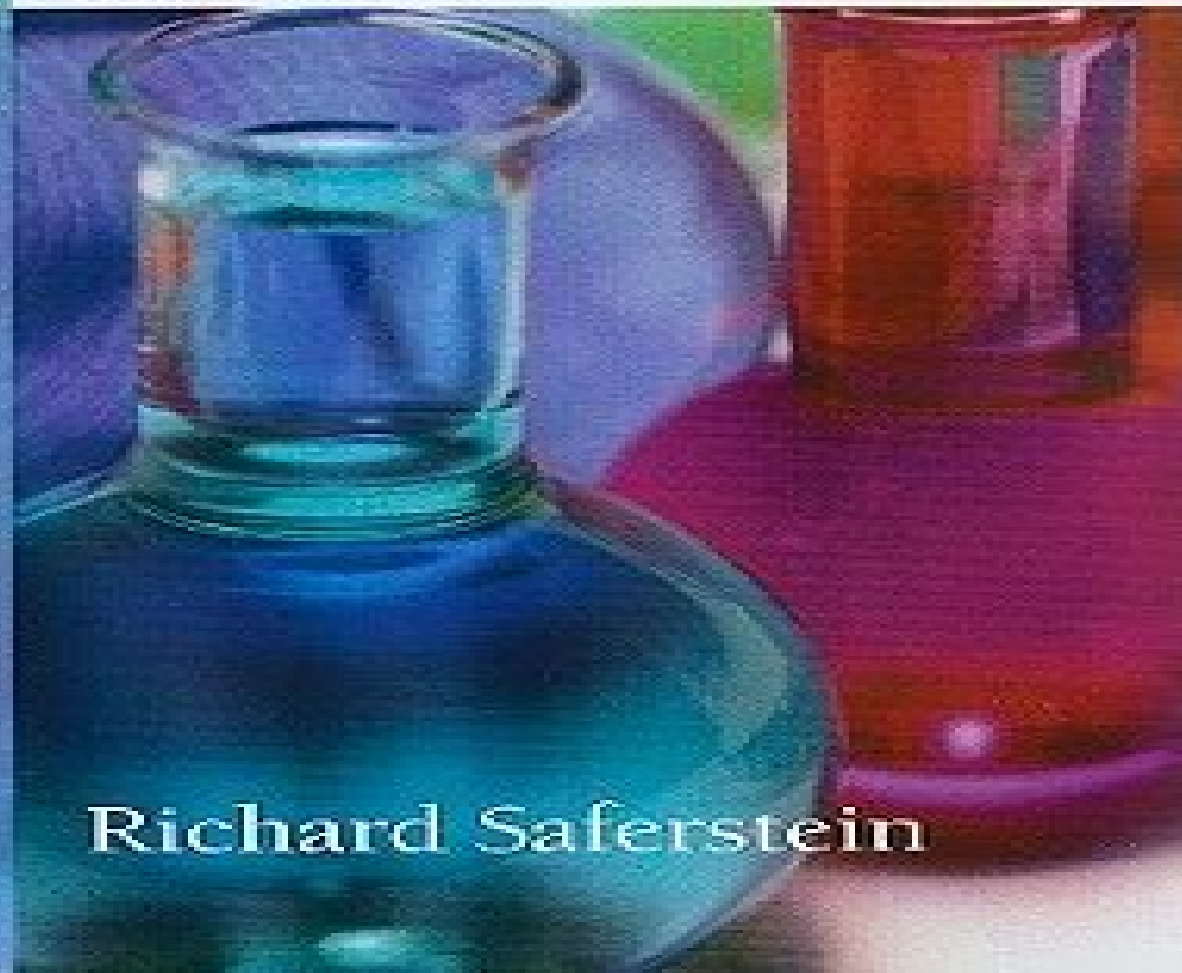


BASIC LABORATORY EXERCISES *for Forensic Science*

Second Edition



Richard Saferstein

Basic Laboratory Exercises For Forensic Science

Kathy Mirakovits, Gina Londino



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is a subdiscipline of forensic science its principles guide the analyses performed in modern forensic laboratories Forensic chemistry's roots lie in medico legal investigation toxicology and microscopy and have since led the development of modern forensic analytic techniques and practices for use in a variety of applications Introduction to Forensic Chemistry is the perfect balance of testing methods and application Unlike other competing books on the market coverage is neither too simplistic nor overly advanced making the book ideal for use in both undergraduate and graduate courses The book introduces chemical tests spectroscopy advanced spectroscopy and chromatography to students The second half of the book addresses applications and methods to analyze and interpret controlled substances trace evidence questioned documents firearms explosives environmental contaminants toxins and other topics The book looks at innovations in the field over time including the latest development of new discernible chemical reactions instrumental tools methods and more Key features Nearly 300 full color figures illustrating key concepts and over 20 case studies Addresses all the essential topics without extraneous or overly advanced coverage Includes full pedagogy of chapter objectives key terms lab problems end of chapter questions and additional readings to emphasize key learning points Includes chemical structures and useful spectra as examples Fulfills the forensic chemistry course requirement in FEPAC accredited programs Includes a chapter on Chemical Biological Radiological Nuclear and Explosive CBRNE materials Comprehensive and accessible without being overly technical Introduction to Forensic Chemistry will be a welcome addition to the field and an ideal text designed for both the student user and professor in mind Course ancillaries including an Instructor's Manual with Test Bank and chapter PowerPoint lecture slides are available with qualified course adoption

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Mirakovits, 2015-12-01 This new edition of Forensic Science The Basics provides a fundamental background in forensic science as well as criminal investigation and court testimony It describes how various forms of data are collected preserved and analyzed and also explains how expert testimony based on the analysis of forensic evidence is presented in court The book Forensic Science Kathy Mirakovits, Jay A Siegel, 2021-07-05 Forensic Science The Basics Fourth Edition is fully updated building on the popularity of the prior editions The book provides a fundamental background in forensic science criminal investigation and court testimony It describes how various forms of evidence are collected preserved and analyzed scientifically and then presented in court based on the analysis of the forensic expert The book addresses knowledge of the

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Criminalistics Laboratory Manual Elizabeth Erickson,2013-03-21 The Criminalistics Laboratory Manual The Basics of Forensic Investigation provides students with little to no prior knowledge of forensic science with a practical crime scene processing experience The manual starts with an original crime scene narrative setting up the crime students are to solve This narrative is picked up in each of the forensic science lab activities tying each forensic discipline together to show the integrated workings of a real crime lab After the completion of all of the exercises the student will be able to solve the homicide based on forensic evidence

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Table of Contents Basic Laboratory Exercises For Forensic Science

1. Understanding the eBook Basic Laboratory Exercises For Forensic Science
 - The Rise of Digital Reading Basic Laboratory Exercises For Forensic Science
 - Advantages of eBooks Over Traditional Books
2. Identifying Basic Laboratory Exercises For Forensic Science
 - Exploring Different Genres
 - Considering Fiction vs. Non-Fiction
 - Determining Your Reading Goals
3. Choosing the Right eBook Platform
 - Popular eBook Platforms
 - Features to Look for in an Basic Laboratory Exercises For Forensic Science
 - User-Friendly Interface
4. Exploring eBook Recommendations from Basic Laboratory Exercises For Forensic Science
 - Personalized Recommendations
 - Basic Laboratory Exercises For Forensic Science User Reviews and Ratings
 - Basic Laboratory Exercises For Forensic Science and Bestseller Lists
5. Accessing Basic Laboratory Exercises For Forensic Science Free and Paid eBooks

- Basic Laboratory Exercises For Forensic Science Public Domain eBooks
- Basic Laboratory Exercises For Forensic Science eBook Subscription Services
- Basic Laboratory Exercises For Forensic Science Budget-Friendly Options
- 6. Navigating Basic Laboratory Exercises For Forensic Science eBook Formats
 - ePub, PDF, MOBI, and More
 - Basic Laboratory Exercises For Forensic Science Compatibility with Devices
 - Basic Laboratory Exercises For Forensic Science Enhanced eBook Features
- 7. Enhancing Your Reading Experience
 - Adjustable Fonts and Text Sizes of Basic Laboratory Exercises For Forensic Science
 - Highlighting and Note-Taking Basic Laboratory Exercises For Forensic Science
 - Interactive Elements Basic Laboratory Exercises For Forensic Science
- 8. Staying Engaged with Basic Laboratory Exercises For Forensic Science
 - Joining Online Reading Communities
 - Participating in Virtual Book Clubs
 - Following Authors and Publishers Basic Laboratory Exercises For Forensic Science
- 9. Balancing eBooks and Physical Books Basic Laboratory Exercises For Forensic Science
 - Benefits of a Digital Library
 - Creating a Diverse Reading Collection Basic Laboratory Exercises For Forensic Science
- 10. Overcoming Reading Challenges
 - Dealing with Digital Eye Strain
 - Minimizing Distractions
 - Managing Screen Time
- 11. Cultivating a Reading Routine Basic Laboratory Exercises For Forensic Science
 - Setting Reading Goals Basic Laboratory Exercises For Forensic Science
 - Carving Out Dedicated Reading Time
- 12. Sourcing Reliable Information of Basic Laboratory Exercises For Forensic Science
 - Fact-Checking eBook Content of Basic Laboratory Exercises For Forensic Science
 - Distinguishing Credible Sources
- 13. Promoting Lifelong Learning
 - Utilizing eBooks for Skill Development

- Exploring Educational eBooks

14. Embracing eBook Trends

- Integration of Multimedia Elements
- Interactive and Gamified eBooks

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