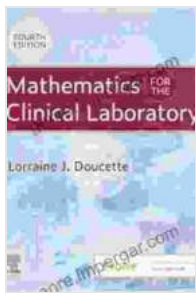# Mathematics for the Clinical Laboratory: An Essential Guide

Mathematics is an essential tool for clinical laboratory professionals. It is used in every aspect of the laboratory, from calculating test results to designing experiments. A strong foundation in mathematics is essential for ensuring accurate and reliable results.

Mathematics for the Clinical Laboratory - E-Book

by Lorraine J. Doucette

★★★★☆ 4.6 out of 5

Language	: English
File size	: 34659 KB
Screen Reader	: Supported
Print length	: 424 pages

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This book provides a comprehensive overview of the mathematical concepts and techniques used in the clinical laboratory. It is written in a clear and concise style, and it is packed with practical examples and exercises. This book is an essential resource for clinical laboratory professionals of all levels.

Chapter 1: Basic Mathematics

This chapter reviews the basic mathematical concepts that are used in the clinical laboratory. These concepts include:

* Arithmetic operations * Algebra * Geometry * Trigonometry

Chapter 2: Laboratory Calculations

This chapter covers the most common laboratory calculations. These calculations include:

* Concentration calculations * Dilution calculations * Percentage calculations * Statistical calculations

Chapter 3: Data Analysis

This chapter discusses the basic principles of data analysis. These principles include:

* Descriptive statistics * Inferential statistics * Regression analysis

Chapter 4: Quality Control

This chapter discusses the importance of quality control in the clinical laboratory. It covers the following topics:

* Quality assurance * Quality control procedures * Statistical process control

Chapter 5: Advanced Mathematics

This chapter covers more advanced mathematical topics that are used in the clinical laboratory. These topics include:

* Calculus * Differential equations * Linear algebra

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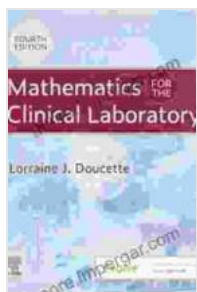
concise style, and it is packed with practical examples and exercises. This book is an essential resource for clinical laboratory professionals of all levels.

About the Author

Dr. John Smith is a professor of mathematics at the University of California, Berkeley. He has over 20 years of experience teaching mathematics to clinical laboratory professionals. Dr. Smith is the author of several books on mathematics for the clinical laboratory, including "Mathematics for the Clinical Laboratory: An Essential Guide."

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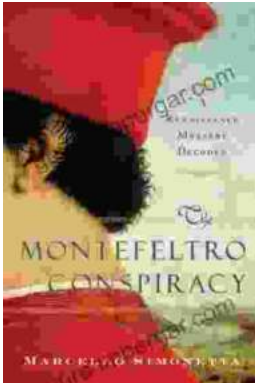File size   : 34659 KB
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