



# 2024 Curriculum Catalog *for* Clinical Laboratory Science

Delivering solutions to  
support your program goals.





# Save time and enhance the classroom experience with Elsevier Educator Support

From easy-to-follow instructions for accessing implementation manuals to quick start guides and webinars, we offer a wealth of helpful tips and tools for incorporating our teaching and learning resources into your curriculum. Get started today!



## Educator Resources on Evolve

Elsevier's textbook support offers a wealth of teaching resources and course planning and management tools.

[evolve.elsevier.com](https://evolve.elsevier.com)

### Preparation

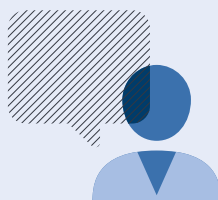
- Lesson plans
- Lecture outlines
- Teaching strategies
- Learning objectives

### Instruction

- PowerPoint® lecture slides
- Image collections
- Classroom activities

### Evaluation

- ExamView test banks
- Case studies



## Evolve Educator Support Center

Training and technical support for your Elsevier eproducts is available online for convenient 24/7 access.

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- Registration help
- Webinars
- Tutorials
- Troubleshooting
- Training calendar
- FAQs



## Total Education And Curriculum Help (TEACH)

TEACH is your complete curriculum solution, offering a consistent structure to connect your curricula, empower faculty, and maximize learning outcomes.

### Simplify course preparation

- Ready-to-use lesson plans
- Class planning checklists
- Assessment questions
- Classroom activities

### Engage students more effectively

- PowerPoint® slides with talking points
- Thought-provoking discussion questions

### Confidently launch a new program

- Online curriculum guide
- Educator forums
- Personalized support





## NEW EDITION!

### Give your students the knowledge and skills they need to succeed as clinical lab scientists

- **NEW! Updated content throughout** keeps students up to date on the latest techniques, instrumentation, and technologies.
- **NEW! Additional questions** are added to each chapter to reinforce student understanding.
- **Coverage of analytical techniques and instrumentation** includes optical techniques, electrochemistry, electrophoresis, chromatography, mass spectrometry, enzymology, immunochemical techniques, microchips, automation, and point-of-care testing.

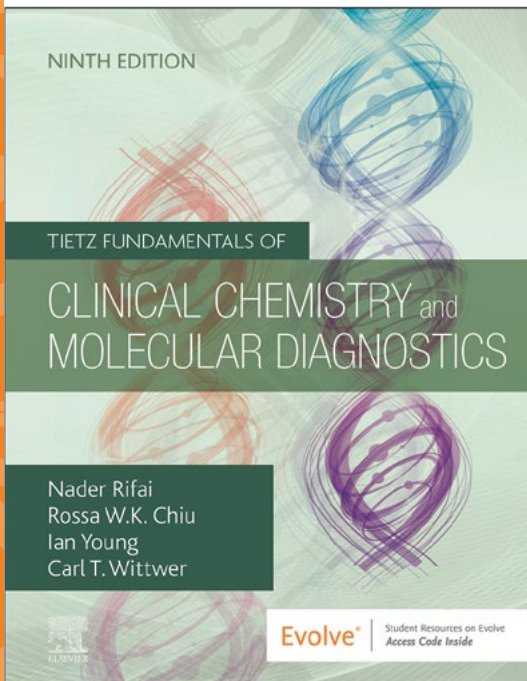
#### Included with the text...

##### EDUCATOR RESOURCES ON EVOLVE

- PowerPoint® slides
- Image collection
- Test bank

##### STUDENT RESOURCES ON EVOLVE

- Case studies
- Answer key for review questions
- The *Coakley Collection*
- *Deacon's Challenge*
- **NEW!** Adaptive learning courses for clinical chemistry and molecular diagnostics



December 2023 • ISBN: 978-0-323-93583-8

Also available as an ebook

## NEW EDITION!

### Introduce your students to the essential practices and procedures of phlebotomy

- **NEW! Protocols for enhanced infection control and prevention** address COVID-19 and other emerging pathogens.
- **UPDATED! Healthcare law coverage** includes up-to-date content on the latest clinical guidelines.
- **EXPANDED and REVISED! Review questions and a practice test** help prepare students for classroom and certification success.

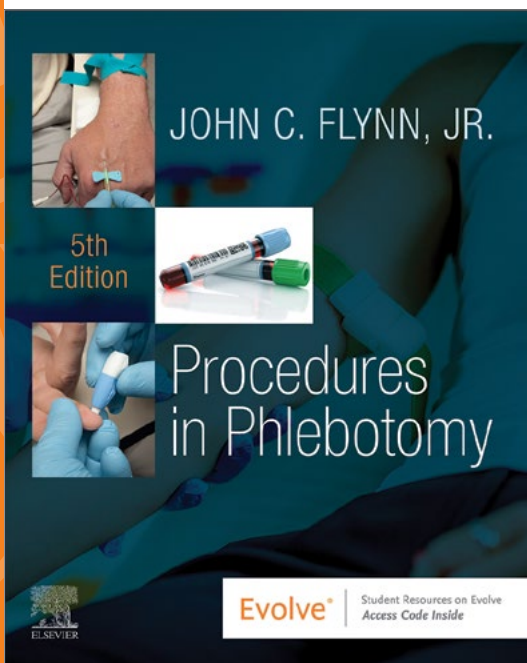
#### Included with the text...

##### EDUCATOR RESOURCES ON EVOLVE

- TEACH Instructor's Resource, featuring:
  - Lesson plans
  - PowerPoint® slides
  - Student handouts
  - Answer keys
- **EXPANDED!** Test bank with 400+ questions
- Image collection
- Competency scoresheets

##### STUDENT RESOURCES ON EVOLVE

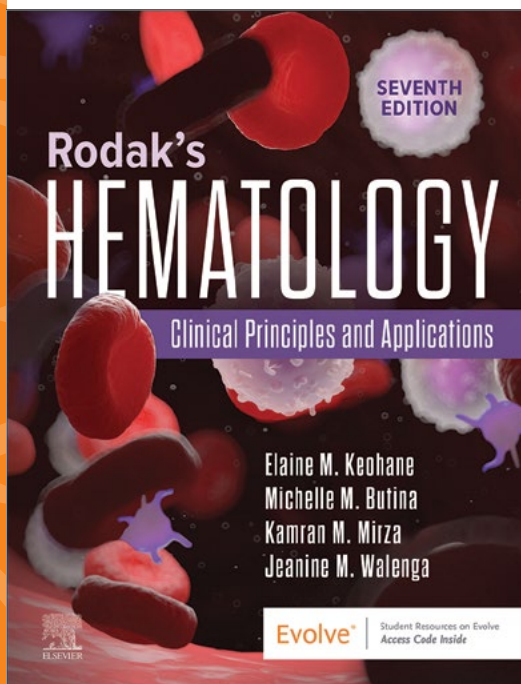
- **EXPANDED!** Interactive quizzes
- Practice examination with 150 questions



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## NEW EDITION!



## Prepare students for the laboratory with the fundamentals of hematology and hemostasis

- **NEW!** Chapter on *Patient Safety in Hematology and Hemostasis*.
- **NEW!** Section on *hematology and hemostasis in transgender populations*.
- **UPDATED!** *White blood cell chapters* are current with the 2022 World Health Organization (WHO) Classification of Haematolymphoid Tumours.
- **NEW!** *Changes in laboratory results associated with COVID-19* and other viral infections.

### Included with the text...

#### EDUCATOR RESOURCES ON EVOLVE

- Instructor's manual
- PowerPoint® slides
- Test bank
- Case studies
- Image collection

#### STUDENT RESOURCES ON EVOLVE

- Animations
- Additional book content, including extra chapters, glossary, and learning objectives with taxonomy levels

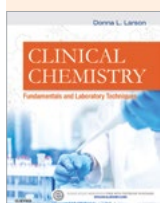
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## ALL CLINICAL LABORATORY SCIENCE RESOURCES

Core titles highlighted in orange

### CLINICAL CHEMISTRY

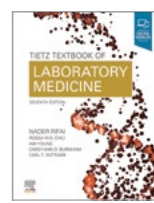


Larson  
**Clinical Chemistry: Fundamentals and Laboratory Techniques**  
2016  
ISBN: 978-1-4557-4214-1



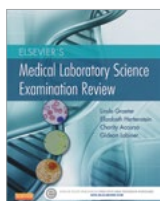
Rifai  
**Tietz Fundamentals of Clinical Chemistry and Molecular Diagnostics, 9th Edition**  
December 2023  
ISBN: 978-0-323-93583-8

See ad on page 3



Rifai  
**Tietz Textbook of Laboratory Medicine, 7th Edition**  
2023  
ISBN: 978-0-323-77572-4

### EXAM REVIEW

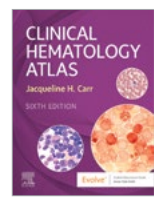


Graeter, Hertenstein, Accurso & Labiner  
**Elsevier's Medical Laboratory Science Examination Review**  
2015  
ISBN: 978-1-4557-0889-5



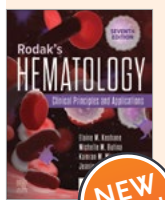
Primrose  
**Complete Phlebotomy Exam Review, 2nd Edition**  
2016  
ISBN: 978-0-323-23911-0

### HEMATOLOGY



Carr  
**Clinical Hematology Atlas, 6th Edition**  
2022  
ISBN: 978-0-323-71192-0

## HEMATOLOGY, cont.



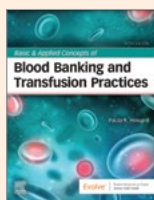
Keohane, Butina, Mirza & Walenga  
**Rodak's Hematology: Clinical Principles and Applications, 7th Edition**

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 ISBN: 978-0-323-93650-7

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NEW  
Edition!

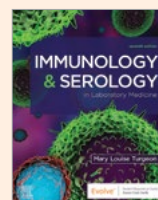
## IMMUNOHEMATOLOGY



Howard  
**Basic & Applied Concepts of Blood Banking and Transfusion Practices, 5th Edition**

2021  
 ISBN: 978-0-323-69739-2

## IMMUNOLOGY &amp; SEROLOGY



Turgeon  
**Immunology & Serology in Laboratory Medicine, 7th Edition**

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## INTRODUCTION



Elsevier  
**Job Readiness for Health Professionals: Soft Skills Strategies for Success, 4th Edition**

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Elsevier  
**Legal and Ethical Issues for Health Professions, 5th Edition**

September 2023  
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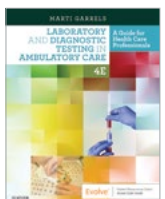
NEW  
Edition!



Turgeon  
**Clinical Laboratory Science: Concepts, Procedures, and Clinical Applications, 9th Edition**

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 ISBN: 978-0-323-82934-2

## LABORATORY MANAGEMENT

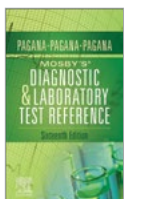


Garrels  
**Laboratory and Diagnostic Testing in Ambulatory Care: A Guide for Health Care Professionals, 4th Edition**

2019  
 ISBN: 978-0-323-53223-5

Workbook  
 ISBN: 978-0-323-53224-2

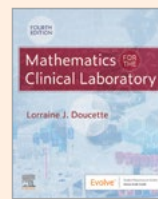
## LABORATORY TESTS



Pagana, Pagana & Pagana  
**Mosby's® Diagnostic & Laboratory Test Reference, 16th Edition**

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 ISBN: 978-0-323-68355-5

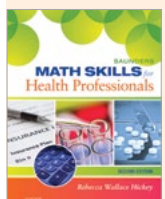
## MATHEMATICS &amp; STATISTICS



Doucette  
**Mathematics for the Clinical Laboratory, 4th Edition**

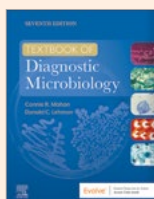
2021  
 ISBN: 978-0-323-55482-4

## MICROBIOLOGY



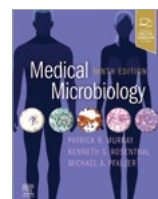
Hickey  
**Saunders Math Skills for Health Professionals, 2nd Edition**

2016  
 ISBN: 978-0-323-32248-5



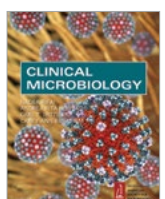
Mahon & Lehman  
**Textbook of Diagnostic Microbiology, 7th Edition**

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 ISBN: 978-0-323-82997-7



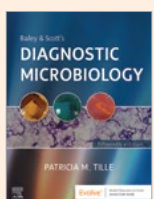
Murray, Rosenthal & Pfaller  
**Medical Microbiology, 9th Edition**

2021  
 ISBN: 978-0-323-67322-8



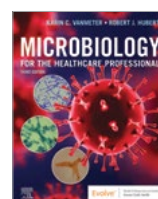
Rifai, Horvath, Wittwer & Burnham  
**Clinical Microbiology, 3rd Edition**

2019  
 ISBN: 978-0-323-66118-8



Tille  
**Bailey & Scott's Diagnostic Microbiology, 15th Edition**

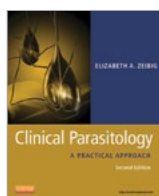
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VanMeter & Hubert  
**Microbiology for the Healthcare Professional, 3rd Edition**

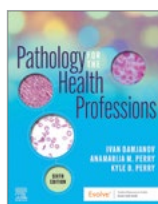
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## PARASITOLOGY

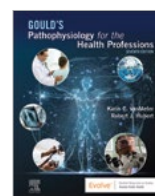


Zeibig  
**Clinical Parasitology:  
 A Practical Approach,  
 2nd Edition**  
 2013  
 ISBN: 978-1-4160-6044-4

## PATHOLOGY &amp; PATHOPHYSIOLOGY

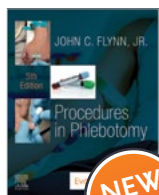


Damjanov, Perry & Perry  
**Pathology for the Health  
 Professions, 6th Edition**  
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 ISBN: 978-0-323-65412-8



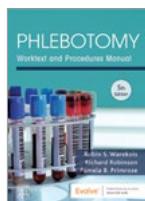
VanMeter & Hubert  
**Gould's Pathophysiology  
 for the Health Professions,  
 7th Edition**  
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 ISBN: 978-0-323-79288-2  
 Study Guide  
 ISBN: 978-0-323-79293-6  
 Pathophysiology Online  
 ISBN: 978-0-323-79298-1

## PHLEBOTOMY



Flynn  
**Procedures in Phlebotomy,  
 5th Edition**  
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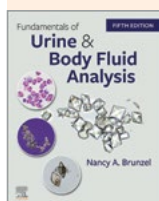
Warekois, Robinson  
 & Primrose  
**Phlebotomy: Worktext and  
 Procedures Manual,  
 5th Edition**  
 2020  
 ISBN: 978-0-323-64266-8

## RESEARCH



DePoy & Gitlin  
**Introduction to Research:  
 Understanding and Applying  
 Multiple Strategies,  
 6th Edition**  
 2021  
 ISBN: 978-0-323-61247-0

## URINALYSIS

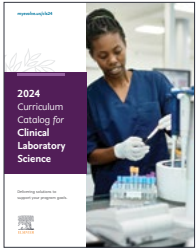


Brunzel  
**Fundamentals of Urine &  
 Body Fluid Analysis,  
 5th Edition**  
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