

# 2024

## PUBLICATIONS CATALOG



[aabb.org/Store](https://aabb.org/Store)



Association for the Advancement  
of Blood & Biotherapies

**Members  
Receive  
Discounts  
on All  
Publications**



# Advance Your Career

## Become an AABB Member

Join a diverse community of health care professionals working to make transfusion medicine and biotherapies safe, available and effective worldwide. No matter your role, AABB has the education, resources, connections and opportunities to help you succeed.

### JOIN AABB NOW AND YOU'LL START RECEIVING:

- *Transfusion*, AABB's peer-reviewed journal, comprising the latest research in the field
- *AABB News*, AABB's monthly magazine filled with news, interviews and feature articles on the field's most important issues

*AABB Weekly Report*, newsletter with need-to-know information

Access to the *AABB Community*, the Association's members-only online forum

Opportunities to volunteer and connect with other members

- Exclusive content, educational tools and critical resources
- Discounts on publications, online learning and AABB Annual Meeting registration
- And much more

**JOIN TODAY! [aabb.org/join](http://aabb.org/join)**

# Welcome!

**A**s you can see from this catalog, AABB authors and editors have once again delivered a robust collection of resources for the field. First, we are very pleased to unveil a new edition of the classic *Technical Manual*, with contributors whose names you will immediately recognize. You'll also notice new names of people you'll continue to hear from as valued contributors to AABB products and services.

Second, we are proud that this collaboration among seasoned professionals and those who bring fresh approaches extends beyond the *Technical Manual*. In scope of topics, depth of detail, and intended audience, our resources stretch out to every segment of AABB membership as well as to the field in general.

Third, this year in particular our authors and editors have outdone themselves in keeping pace with rapidly evolving practices and regulations, sometimes updating content in the last few days of development and production.

Finally, we'd like to thank our readers, for your continued patronage, certainly—but more importantly, for your inherent thirst for knowledge, and your pursuit of the best care possible for donors and patients.

Laurie Munk  
Senior Publications Director, AABB

## Publications by Topic

AABB Standards . . . . .	3
Quality . . . . .	6
Biotherapies . . . . .	8
Patient Blood Management . . . . .	10
Transfusion Practices . . . . .	13
General . . . . .	13
Components . . . . .	15
Immunohematology/Serology . . . . .	17
Complications . . . . .	20
Special Patients/Situations . . . . .	21
Donors . . . . .	24
Management . . . . .	26
<b>Index by Title . . . . .</b>	<b>29</b>
<b>Index by Author/Editor . . . . .</b>	<b>30</b>
<b>Publications Order Form . . . . .</b>	<b>31</b>
<b>Ordering Information . . . . .</b>	<b>32</b>

## What's New?

Be sure to check out the newest AABB resources, highlighted throughout these pages.

• <b>AABB Billing Guide for Blood Products and Related Services . . . . .</b>	<b>27</b>
• <b>AABB Guide to Massive Transfusion . . . . .</b>	<b>22</b>
• <b>AABB Guide to the Use of Blood Warming Devices . . . . .</b>	<b>21</b>
• <b>Blood Transfusion Therapy Data Card . . . . .</b>	<b>15</b>
• <b>Blood Transfusion Therapy: A Handbook, 14th edition . . . . .</b>	<b>15</b>
• <b>Cellular Therapy: A Handbook, 2nd edition . . . . .</b>	<b>8</b>
• <b>Global Perspectives and Practices in Transfusion Medicine . . . . .</b>	<b>14</b>
• <b>Guidance for Standards for Cellular Therapy Services, 11th edition . . . . .</b>	<b>3</b>
• <b>Guidance for Standards for Molecular Testing for Red Cell, Platelet, and Neutrophil Antigens, 6th edition . . . . .</b>	<b>3</b>
• <b>Guidance for Standards for a Patient Blood Management Program, 4th edition . . . . .</b>	<b>4</b>
• <b>Guidance for Standards for Perioperative Autologous Blood Collection and Administration, 10th edition . . . . .</b>	<b>4</b>
• <b>How Do I Do It? Volume 2 . . . . .</b>	<b>13</b>
• <b>On-Call Manual: A Systematic Approach to Solving Common Issues in Transfusion Medicine . . . . .</b>	<b>14</b>
• <b>Standards for Cellular Therapy Services, 11th edition . . . . .</b>	<b>3</b>
• <b>Standards for Molecular Testing for Red Cell, Platelet, and Neutrophil Antigens, 6th edition . . . . .</b>	<b>3</b>
• <b>Standards for a Patient Blood Management Program, 4th edition . . . . .</b>	<b>4</b>
• <b>Standards for Perioperative Autologous Blood Collection and Administration, 10th edition . . . . .</b>	<b>4</b>
• <b>Stem Cell Collection, Infusion, and Transfusion Support: A Primer . . . . .</b>	<b>8</b>
• <b>Technical Manual, 21st edition . . . . .</b>	<b>13</b>
• <b>Transfusion Medicine Self-Assessment and Review, 4th edition . . . . .</b>	<b>26</b>



# AABB Standards Portal

Access *AABB Standards* through the online Standards Portal for an enhanced, easy-to-use experience.

- View, search, and print full editions of any set of *Standards* from any device.
- Customize your view and filter each set of *Standards* based on the activities your facility performs.
- Access the most up-to-date Guidance with each set of *Standards* by clicking on the “Guidance button” next to each standard. The Guidance offers more information and rationales for new or revised standards, granted variances and more.
- Link to, and read the content of, cross-referenced standards and relevant sections of the US *Code of Federal Regulations*, FDA Guidance, AABB Association Bulletins, peer-reviewed articles, and more.
- When interim or emergent standards or new guidances are issued, the Portal will be updated in real time.

[aabb.org/portal](http://aabb.org/portal)



Free  
Two-Week  
Trial Available  
Visit  
[aabb.org/  
portaltrial](http://aabb.org/portaltrial)

## Standards for Blood Banks and Transfusion Services, 33rd edition (effective April 1, 2022)

The 33rd edition of *Standards for Blood Banks and Transfusion Services* details the latest standards of practice in blood banking and transfusion medicine. As in the past, each chapter heading represents one of the Quality System Essentials and the quality standards are supplemented by technical requirements.



Significant changes:

- Confidence intervals required during some product preparation, where appropriate.
- Facilities using pathogen-reduced plasma are required to maintain the units as dictated by the manufacturer's instructions.
- Low-yield platelet products are to be labeled appropriately, including an accurate platelet count.
- Facilities are required to define a low-titer threshold for the use of group O whole blood.
- Receipt of SARS-COV2 vaccines and any associated deferrals have been included per the FDA requirements from September 2020.

**STANDARDS PORTAL:** AABB, 2022, digital edition

Product Code: 223120SP | Member Price: \$198 | Nonmember Price: \$288

**PRINT EDITION:** AABB, 2022, 128 pages, ISBN 978-1-56395-443-6

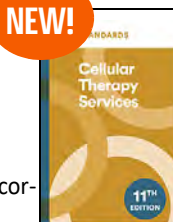
Product Code: 223120 | Member Price: \$198 | Nonmember Price: \$288

**PRINT AND PORTAL BUNDLE:** Product Code: 223830 | Member Price: \$315 | Nonmember Price: \$460

**PRINT AND GUIDANCE BUNDLE:** Product Code: 224020 | Member Price: \$315 | Nonmember Price: \$460

## Standards for Cellular Therapy Services, 11th edition (effective July 1, 2023)

The 11th edition of *Standards for Cellular Therapy Services* details the latest standards of practice for accredited cellular therapy facilities and includes overarching quality standards as well as specific technical standards. Significant changes to the 11th edition include:



- Signature method used by the facility is to be concordant with those in the country where these standards are being implemented.
- Maintenance of "chain of identity" and "chain of custody" as a part of agreements and records.
- Suppliers to be qualified when cellular therapy services involve more than one facility.
- Having a qualified interpreter involved in the donor informed consent process where appropriate.
- Collection of outcome data to be performed at facility-defined intervals.
- Products from donors who are CMV positive are identified as such and the product labeled accordingly.
- Look-back procedures in the case of an identified nonconformance.

**STANDARDS PORTAL:** AABB, 2023, digital edition

Product Code: 233110SP | Member Price: \$197 | Nonmember Price: \$287

**PRINT EDITION:** AABB, 2023, 187 pages, ISBN 978-1-56395-466-5

Product Code: 233110 | Member Price: \$197 | Nonmember Price: \$287

**PRINT AND PORTAL BUNDLE:** Product Code: 233223 | Member Price: \$315 | Nonmember Price: \$459

**PRINT AND GUIDANCE BUNDLE:** Product Code: 233099 | Member Price: \$315 | Nonmember Price: \$459

## Standards for Molecular Testing for Red Cell, Platelet, and Neutrophil Antigens, 6th edition (effective January 1, 2023)



**NEW!**

The 6th edition of *Standards for Molecular Testing for Red Cell, Platelet, and Neutrophil Antigens* contains minimum requirements for facilities using molecular methods to predict blood group antigens, as well as quality system requirements, operational standards, and a detailed list of inventory resources necessary for the identification of targeted nucleotides that encode these antigens. Also addressed are test methods including RFLP testing, DNA testing for nucleotide sequence determination or SNP analysis, and DNA arrays.

Significant changes to the 6th edition:

- Processes to be in place to perform risk assessments for all critical activities in the facility at defined intervals.
- Expanded reference standard tables that focus on "Chromosome Position," which relates to the chromosome position for the current human reference genome assembly.
- Processes to be in place to minimize the risk and impact of internal and external data breach.
- Proficiency testing options outside the United States.

**STANDARDS PORTAL:** AABB, 2022, digital edition

Product Code: 223115SP | Member Price: \$139 | Nonmember Price: \$159

**PRINT EDITION:** AABB, 2022, 59 pages, ISBN 978-1-56395-458-0

Product Code: 223115 | Member Price: \$139 | Nonmember Price: \$159

**PRINT AND PORTAL BUNDLE:** Product Code: 223295 | Member Price: \$222 | Nonmember Price: \$254

**PRINT AND GUIDANCE BUNDLE:** Product Code: 224205 | Member Price: \$222 | Nonmember Price: \$254

## Standards for Relationship Testing Laboratories, 15th edition (effective January 1, 2022)

The *Standards for Relationship Testing Laboratories* outlines requirements for facilities determining identity in cases involving paternity claims, immigration status, and some forensic testing. Significant changes to this edition include:



- Standard 1.2.2.1 has been updated to require laboratory directors to maintain responsibility for all decisions to stop or suspend operations as necessary.
- New Standards 1.6 and 1.6.1 require laboratories to perform assessments of risk at defined intervals. This would include mitigation strategies based on the degree of risk associated with the activity.

**STANDARDS PORTAL:** AABB, 2021, digital edition

Product Code: 213293SP | Member Price: \$144 | Nonmember Price: \$199

**PRINT EDITION:** AABB, 2021, 80 pages, ISBN 978-1-56395-436-8

Product Code: 213293 | Member Price: \$144 | Nonmember Price: \$199

**PRINT AND PORTAL BUNDLE:** Product Code: 213982 | Member Price: \$250 | Nonmember Price: \$310

**PRINT AND GUIDANCE BUNDLE:** Product Code: 214093 | Member Price: \$250 | Nonmember Price: \$310

# Standards

## Fundamental Standards for Blood Collection and Transfusion

The *Fundamental Standards for Blood Collection and Transfusion* is a resource on and introduction to AABB standard-setting as a process. It can also be a tool to assist facilities and personnel take the first step in incorporating quality concepts into blood banking. Notably, there is no accreditation program associated with these *Fundamental Standards*—they are for educational purposes only. They are based on input from internationally recognized experts, public comment, and the scientific literature on techniques and applications with an emphasis on regions with limited resources.

**DIGITAL EDITION:** AABB, 2018, 79 pages, PDF file  
Product Code: 182237SP | Member Price: FREE | Nonmember Price: FREE



## Estándares Fundamentales para Recolección y Transfusión de Sangre

Los *Estándares Fundamentales para Recolección y Transfusión de Sangre* son un recurso y una introducción al establecimiento de las normas de la AABB como un proceso. También puede ser una herramienta para ayudar a las instituciones y al personal a dar el primer paso para incorporar conceptos de calidad en el banco de sangre. Notablemente, no hay un programa de acreditación asociado con estos *Estándares Fundamentales*—son solo para fines educativos. Se basan en aportes de expertos reconocidos internacionalmente, comentarios públicos y la literatura científica sobre técnicas y aplicaciones con énfasis en regiones con recursos limitados.

**EDICIÓN DIGITAL:** AABB, 2020, 78 páginas, archivo PDF  
Código de producto: 202239SP | Precio para miembros: GRATIS | Precio para no miembros: GRATIS



## AABB Quality Certificate Program/El Programa de Certificado de Calidad de la AABB

The AABB Quality Certificate Program is based on the implementation of AABB's *Fundamental Standards for Blood Collection and Transfusion*. The Certificate signifies that facilities in limited-resource settings have initiated their quality journey by adhering to AABB fundamental standards. Facilities that obtain the Quality Certificate will gain international recognition for their efforts with a 2-year certificate issued by AABB.

El Programa de Certificado de Calidad de la AABB se basa en la implementación de las *Estándares Fundamentales para la Recolección y Transfusión de Sangre* de la AABB. El Certificado significa que las instalaciones en entornos de recursos limitados han iniciado su camino hacia la calidad al adherirse a los estándares fundamentales de la AABB. Las instalaciones que obtengan el Certificado de Calidad obtendrán reconocimiento internacional por sus esfuerzos con un certificado de dos años emitido por la AABB.

## Standards for a Patient Blood Management Program, 4th edition (effective June 1, 2023)

The *Standards for a Patient Blood Management Program* can help facilities that are implementing or enhancing PBM efforts to have a solid foundation for maintaining and optimizing the care of patients who may or may not need transfusion. Like other AABB Standards, this edition includes overarching quality standards as well as specific technical standards.



**NEW!**

Significant changes to the 4th edition:

- Care required for patients undergoing cardiac surgery or structural heart procedures in activity level 1.
- An operational continuity plans to be in place to address potential and actual inventory shortages.
- Corrective action to be taken when employee competence has not been demonstrated.
- Individuals with heavy bleeding potential are to be evaluated and managed appropriately.

**STANDARDS PORTAL:** AABB, 2022, digital edition  
Product Code: 223186SP | Member Price: \$105 | Nonmember Price: \$120  
**PRINT EDITION:** AABB, 2022, 47 pages, ISBN 978-1-56395-461-0  
Product Code: 223186 | Member Price: \$105 | Nonmember Price: \$120  
**PRINT AND PORTAL BUNDLE:** Product Code: 223882 | Member Price: \$168 | Nonmember Price: \$192  
**PRINT AND GUIDANCE BUNDLE:** Product Code: 224086 | Member Price: \$168 | Nonmember Price: \$192

## Standards for Perioperative Autologous Blood Collection and Administration, 10th edition (effective January 1, 2023)

The 10th edition of *Standards for Perioperative Autologous Blood Collection and Administration* contains requirements intended to maintain and enhance the quality and safety of perioperative autologous blood. It reflects the concerns and priorities of several different aspects of the discipline, including the input of recognized experts in the field and the best interests of their patients. It was developed in the context of the global drive for quality in health care and internationally recognized principles of quality management. Significant changes to the 10th edition:



**NEW!**

- Processes to be in place to perform risk assessments for all critical activities in the facility at defined intervals.
- Processes to be in place to minimize the risk and impact of internal and external data breach.
- Medical director designees may develop policies, processes, and procedures for collection and administration of components.

**STANDARDS PORTAL:** AABB, 2022, digital edition  
Product Code: 223100SP | Member Price: \$152 | Nonmember Price: \$188  
**PRINT EDITION:** AABB, 2022, 67 pages, ISBN 978-1-56395-455-9  
Product Code: 223100 | Member Price: \$152 | Nonmember Price: \$188  
**PRINT AND PORTAL BUNDLE:** Product Code: 223968 | Member Price: \$243 | Nonmember Price: \$300  
**PRINT AND GUIDANCE BUNDLE:** Product Code: 224095 | Member Price: \$243 | Nonmember Price: \$300

## Standards for Out-of-Hospital Transfusion Administration Services, 1st edition (effective July 1, 2018)

*Standards for Out-of-Hospital Transfusion Administration Service* details the latest standards for facilities other than the hospital that administer blood transfusion. As medical care advances and the population ages, the number and diversity of settings for blood transfusion are increasing. Long-term care facilities, infusion centers, hospices, and home-care agencies need to ensure that the quality of care with respect to transfusion medicine is not diminished for patients in these settings. These *OHTAS Standards* do not address transfusions that are administered in ambulances or helicopters before a person reaches the hospital.



The Quality System Essentials form the framework for the *OHTAS Standards*. The requirements in this document were developed to be consistent with those in the *Standards for Blood Banks and Transfusion Services*. In fact, users of both sets of *Standards* will notice some overlap in both the quality and the technical requirements of the two sets. This is intentional and reflects current practice.

**STANDARDS PORTAL:** AABB, 2018, digital edition

Product Code: 183142SP | Member Price: \$65 | Nonmember Price: \$79

**PRINT EDITION:** AABB, 2018, 44 pages, ISBN 978-1-56395-987-5

Product Code: 183142 | Member Price: \$65 | Nonmember Price: \$79

**PRINT AND PORTAL BUNDLE:** Product Code: 183145 | Member Price: \$120 | Nonmember Price: \$140

## Standards for Immunoematology Reference Laboratories, 12th edition (effective April 1, 2022)

The 12th edition of *Standards for Immunoematology Reference Laboratories* relies on a matrix of quality management system and detailed operational requirements, such as those defining minimum antisera resources.



Significant changes in the 12th edition include:

- Accredited laboratories required to have processes in place to minimize the risk of both internal and external data breach.
- All package inserts to be reviewed for new materials to ensure that they remain in compliance with associated requirements.
- Reagents prepared by the laboratory are to be used in accordance with the instructions and in line with the current literature.
- A new avenue for participation in the American Rare Donor Program: A combination of shipping seven units to other participating laboratories and screening 500 donors for high prevalence antigens.
- If laboratories perform compatibility testing, they must demonstrate red cell compatibility between patient serum/plasma and donor cells.

**STANDARDS PORTAL:** AABB, 2022, digital edition

Product Code: 223125SP | Member Price: \$138 | Nonmember Price: \$199

**PRINT EDITION:** AABB, 2022, 61 pages, ISBN 978-1-56395-441-2

Product Code: 223125 | Member Price: \$138 | Nonmember Price: \$199

**PRINT AND PORTAL BUNDLE:** Product Code: 223499 | Member Price: \$220 | Nonmember Price: \$320

**PRINT AND GUIDANCE BUNDLE:** Product Code: 224025 | Member Price: \$220 | Nonmember Price: \$320

## It's Your Choice

AABB *Standards*\* come in 5 different configurations to fit your needs:

- **Portal edition.** This digital product is far more than a simple PDF. The standards are accompanied by annotations and links to all the information the committee members used to develop the requirements for each edition. The text of federal regulations and guidance documents, AABB Association Bulletins, journal articles, approved variances, and other resources are as close as a click away.
- **Trial Portal.** Not convinced yet? You can try the Portal free of charge for a few weeks, so you and your staff can see how valuable the Portal can be.
- **Print edition.** Sometimes the quickest way to look up a requirement is to thumb through the pages of a traditional printed book. Sometimes Internet access is not possible. For those occasions, you may prefer a hard copy.
- **Bundle of Portal and print.** Let's face it. Sometimes you need both the digital access and the ability to work offline. Bundled together, these are available at a significant discount.
- **Bundle of print Guidance and a bonus copy of Standards.** Similar in content to the Portal, the printed Guidance allows readers to see the requirements and explanations side by side. The guidance provided is most helpful in providing additional context or examples to assist users in attaining compliance.

\**Fundamental Standards for Blood Collection and Transfusion (Estándares para Recolección y Transfusión de Sangre)* is available only as a PDF download. Printed Guidance for *Out-of-Hospital Standards* is currently unavailable.

# Quality

## Blood Bank KPIs: How to Select, Develop, and Analyze Them

By Faisal Saud Alsaqri, BCLS, CLSSBB

Key performance indicators (KPIs) are a time-tested method for gathering the data (measurements) necessary to make operational improvements. KPIs are in use by many, but not all, blood banks and transfusion services. They play an essential role in an organization's quality management system. Unfortunately, they are sometimes shrouded in mystery, and use terms that sound like a foreign language, as if only seasoned experts could use them effectively. Truth is, KPIs are easy, and can be implemented by anyone, anywhere. This small book is a step-by-step guide to doing just that.

Contents include:

- Fundamental concepts.
- Five steps in making effective KPIs.
- KPI template with explanations of each element.
- 30 examples of common KPIs.

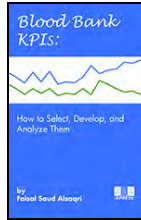
The examples provided are all directly related to quality management, blood donation, component processing, and transfusion activities. Users can get started by studying the examples provided and then create their own KPIs later on.

**PRINT EDITION:** AABB Press, 2020, 47 pages, ISBN 978-1-56395-371-2

Product Code: 202026 | Member Price: \$50 | Nonmember Price: \$85

**DIGITAL EDITION:** AABB Press, 2020

Product Code: 202026DB | Member Price: \$50 | Nonmember Price: \$85



“How to measure your performance is a challenge. The AABB resources such as Blood Bank KPIs: How to Select, Develop, and Analyze Them provides helpful assistance in choosing indicators, collecting data, and analyzing them. This AABB Press book is an essential tool for administrators and those responsible for developing performance measures.”

—Suzanne H. Butch, MA, MLS(ASCP)SBB<sup>CM</sup>”

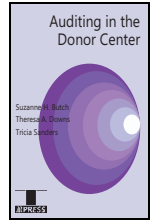
## Auditing in the Donor Center

By Suzanne H. Butch, MA, MLS(ASCP)SBB<sup>CM</sup>; Theresa A. Downs, MT(ASCP)SBB, CQA(ASQ); and Tricia Sanders, MBA, MLS(ASCP)SBB

The quality plan in the donor center documents the structure, responsibilities, and processes and procedures to support the objectives of donor and patient safety. Audits are used as part of the quality assurance system to verify that systems function as intended and that requirements are met. Included are more than two dozen sample forms and templates, including a sample PPE safety audit, sample “tracer” audits, sample data collection forms, a sample organizational chart and CLIA role audit, a newly changed or implemented procedures audit, a corrective action plan template, and a sample audit for supplies and reagents.

**DIGITAL EDITION:** AABB Press, 2014, 76 pages, ISBN 978-1-56395-893-9

Product Code: 142090DB | Member Price: \$40 | Nonmember Price: \$55



## Error Management: Turning a Negative Situation into a Positive One

Faisal Saud Alsaqri, BCLS, CLSSBB, and Anne Chenoweth, MBA, MT(ASCP)SBB<sup>CM</sup>, CQA(ASQ)

Errors are going to occur, like it or not. The more we admit to errors, the greater the chances of success in eliminating them and preventing others in the future. Error or “occurrence” management in the laboratory is the core of continual process improvement. It requires a very well-designed process by which errors can be identified without blame and handled effectively. That process can have many variations, yet the consistent elements typically include the following: detection, reporting, initial evaluation, any action urgently needed, an in-depth analysis of the root cause(s), notifications as required, corrective actions, preventive actions, and, finally, evaluation of the success of those actions taken. This text provides tools and step-by-step instructions for managing errors and making the right decisions for correction and prevention.

Topics covered:

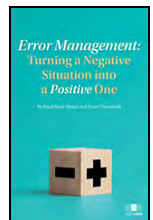
- Process improvement.
- Error management essentials.
- Best practices in error management.
- Self-assessment.
- Management approaches and strategies.

**PRINT EDITION:** AABB Press, 2022, 98 pages, ISBN 978-1-56395-438-2

Product Code: 222006 | Member Price: \$60 | Nonmember Price: \$90

**DIGITAL EDITION:** AABB, 2022

Product Code: 222006DB | Member Price: \$60 | Nonmember Price: \$90





## Auditing in the Cellular Therapy Laboratory

By Suzanne H. Butch, MA, MLS(ASCP)SBB<sup>CM</sup>; Theresa A. Downs, MT(ASCP)SBB, CQA(ASQ); and Sandra K. Hoffman, MT(ASCP)SBB, CQA(ASQ)



This book describes how audits document compliance, enhance a quality system, and assist with error reduction in a cellular therapy laboratory. Some of the topics covered include auditing fundamentals, terminology, and types; audit preparation and planning; establishing an annual audit plan; auditor characteristics; collecting and documenting evidence; data analysis; and audit follow-up. Included are more than two dozen sample forms and templates specific to cellular therapy activities.

**DIGITAL EDITION:** AABB Press, 2013, 71 pages, ISBN 978-1-56395-867-0  
Product Code: 132007DB | Member Price: \$40 | Nonmember Price: \$55

## Auditing in the Transfusion Service

By Suzanne H. Butch, MA, MLS(ASCP) SBB<sup>CM</sup>, and Theresa A. Downs, MT(ASCP)SBB, CQA(ASQ)



An audit can be defined as an investigation of whether work processes, systems, and products adhere to established criteria. After expanding on this definition and addressing other fundamentals of auditing, this book dives into the nuts and bolts of transfusion service audits. To help design, conduct, and follow-up on internal as well as external audit activities, the text is supplemented by over two dozen appendices of sample forms, templates, charts, and other tools, which can be customized for use at each user's facility.

Topics featured include:

- Auditing terminology, types of audits, sample criteria.
- Audit plan, audit templates, auditor characteristics.
- Using auditing tools, and collecting and documenting evidence.
- Analyzing and reporting results.
- Follow-up response to nonconformances.
- Lessons learned.

**DIGITAL EDITION:** AABB Press, 2012, 68 pages, ISBN 978-1-56395-834-2  
Product Code: 122009DB | Member Price: \$40 | Nonmember Price: \$55

## AABB Guide to the Quality Assessment of Transfusion

By Tracie Nichols, MS, MLS(ASCP)SBB; Tina Chanez, MBA, MT(ASCP), CQA(ASQ); Mary E. Harach, CQA(ASQ), MT(ASCP); Kristy Jones, CMQ/OE, CQA(ASQ), MT(ASCP)SBB; Vaanush Nazaryan, MBA, SBB(ASCP), CPHQ; Patrick Ooley, MS, MT(ASCP), CQA(ASQ)CMQ/OE; and Ljiljana Vladimira Vasovic, MD, for the Transfusion Medicine Section Coordinating Committee



Routine and ongoing assessments of transfusion service processes help ensure the maintenance of a robust program focused on patient outcomes and safety. Quality assessment can help to prevent mistransfusions and several other noninfectious serious hazards of transfusion. Diligent monitoring, identification, reporting, and rebuilding of problematic systems that put patients at risk can help to achieve this goal. This *AABB Guide to the Quality Assessment of Transfusion* provides an overview of key aspects of a quality assessment program for the transfusion service. Beginning with the institution's quality plan, a complete analysis of the transfusion process or "system" includes a step-by-step approach to reviewing the following:

- Procedures (eg, blood bank, nursing, operating room).
- Staff education and training.
- Blood component ordering.
- Patient consent.
- Sample collection and compatibility testing.
- Blood administration and transfusion documentation.
- Adverse events and transfusion reactions.
- Blood utilization.
- Incident and deviation management.

Useful tools provided in this *Guide* include a risk scale for major hazards, a blood ordering flowchart, and a sample gap analysis of blood administration.

**PRINT EDITION:** AABB, 2021, 31 pages, ISBN 978-1-56395-423-8  
Product Code: 213060 | Member Price: \$35 | Nonmember Price: \$50

## Competency Assessment Toolkit: Tools for Compliance

This digital toolkit is offered as a practical aid for documenting employee competency in a simple format. The answers to frequently asked questions, practical tips, and templates provide the user with the tools to manage documentation that meets the minimum regulatory and standard requirements for competency assessment of employees. Includes a downloadable assessment form for blood banks/transfusion services, and another for cellular therapy services.

**DIGITAL EDITION:** AABB, 2020, digital, 6 pages  
Product Code: 203420DB | Member Price: \$49 | Nonmember Price: \$70



## Stay Tuned!

AABB publishes new releases throughout the year—not just when a new catalog is prepared. That means new content may be available at any time. If you want to stay up to date, you can develop the habit of checking the AABB website ([aabb.org/store](http://aabb.org/store)) frequently for updates about new content. And if you purchase a publication on back-order, your copy will be one of the first to be shipped once the item is in stock.

# Biotherapies



AABB | Certified Advanced Biotherapies Professional

**The First and Only Certification for Biotherapies Professionals**

AABB offers the field's first and only certification for biotherapies professionals: The AABB Certified Advanced Biotherapies Professional (CABP) credentialing program.

Becoming a CABP is a mark of distinction, establishing that qualified professionals have demonstrated—through a certification exam—that they have the necessary knowledge to credibly practice in the field of biotherapies.

Certifying as a CABP provides an opportunity for high-performing biotherapies professionals to demonstrate their commitment and competence, distinguish themselves from their peers, and position themselves for career advancement. Candidates must meet prerequisites, obtain a passing grade on the exam, and agree to the CABP Code of Conduct to earn the certification for a 3-year cycle.

The CABP exam is comprehensive and is designed to cover the full breadth of topics within the field of biotherapies.

The exam covers seven domains in the field:

- Biotherapies in the patient care ecosystem.
- Biotherapies science and ethics.
- Operations and equipment.
- Biotherapies development lifecycle.
- Manufacturing.
- Quality systems.
- The regulatory environment.

The CABP examination is open to all advanced biotherapies professionals, including those working as physicians, quality and regulatory specialists, laboratorians, researchers, nurses and pharmacists. More information on AABB's new CABP program—including a link to apply—is available on the AABB website at [aabb.org/CABP](http://aabb.org/CABP).

## Cellular Therapy: A Handbook, 2nd edition

*Edited by Jose Cancelas, MD, PhD, and Nicholas Bandarenko, MD*



Newcomers and seasoned professionals alike will appreciate this updated handbook. The first edition was very popular—for a full 10 years after its release. This edition has been completely re-created by international experts to bring you the most recent developments in the field. The material on cutting-edge advances is accompanied by the kind of solid information you'll want at your fingertips working in a cellular therapy laboratory. As with other handbooks in the series, this is your go-to, first reference with concise explanations and illustrations; the chapter reference lists provide ample resources for further study, if desired.

Topics covered:

- Biology of hematopoietic transplantation.
- HPC sources.
- Processing and storage of cryopreserved products.
- Processing and storage of noncryopreserved products.
- HLA typing and matching in HSCT.
- Clinical aspects of HSCT.
- Complications and their management.
- Hematopoietic gene repair and therapy.
- Adoptive immunotherapy.

**PRINT EDITION:** AABB, 2023, 291 pages, ISBN 978-1-56395-364-4  
Product Code: 233050 | Member Price: \$70 | Nonmember Price: \$95

## Stem Cell Collection, Infusion, and Transfusion Support: A Primer

*By Laura Cooling, MD, MS*



Are all the cell therapy resources you've checked so far a bit overwhelming in depth and scope? Then this primer is for you. Intended for trainees, this volume is packed with highlighted key concepts, concise tables, and other "nuggets" that you'll find useful. Also helpful is the robust list of references that will assist you not only now, but later, as your knowledge base grows. An added benefit is a handy appendix of abbreviations used in the text.

Contents cover:

- Clinical HSCT types.
- Donor evaluation.
- Stem cell collection [HPC(A), HPC(M), HPC(CB)].
- Processing and infusion.
- Transfusion support.
- Engraftment.
- Posttransplant complications.

**PRINT EDITION:** AABB Press, 2023, 98 pages, ISBN 978-1-56395-479-5  
Product Code: 232230 | Member Price: \$55 | Nonmember Price: \$85

**DIGITAL EDITION:** AABB Press, 2023  
Product Code: 232230DB | Member Price: \$55 | Nonmember Price: \$85

# Biotherapies

## Circular of Information for the Use of Cellular Therapy Products (2021)

The *Circular of Information for the Use of Cellular Therapy Products* is intended to be an extension of the cellular therapy product label. It describes available products, modifications, indications, contraindications, dosage and administration, side effects, and hazards of cellular therapy products. It has been jointly prepared by the AABB Circular of Information for Cellular Therapy Products Task Force, which includes a collaborative group of multiple nongovernmental organizations that represent the cellular therapy field. The US Food and Drug Administration and the Health Resources and Service Administration also participated in the development and review process.



**DIGITAL EDITION:** Free PDF can be downloaded from [www.aabb.org/CTCircular](http://www.aabb.org/CTCircular).

## Cellular Product Toolkit: Guidance and Templates for Evaluating Requests, Fulfilling Requirements, and Delivering Compliant Products



*Edited by Christina M. Celluzzi, PhD, MS; Marcie Finney, MS, MBA; and Kathy Loper, MHS, MT(ASCP)*

When cell collection and manufacturing facilities receive product requests, there are vital questions to ask, issues to consider, and documentation to fulfill to ensure a quality product. The tools in this kit not only guide the navigation of these issues but also provide some practical head starts at various points along the full process chain from request to delivery. Six modules present essential information in an easily accessible format through point-by-point slides and lists of helpful tips and resources, as well as downloadable templates for ready use. Modules cover considerations of the following:

- Intended use (research, commercial, or nonclinical).
- Donor safety and consent.
- Manufacturing issues.
- Business agreements.
- Transportation and storage.

Supplemental documents include release criteria, forms, SOPs, and more.

**DIGITAL EDITION:** AABB, 2020, 212 pages  
Product Code: 203183DB | Member Price: FREE | Nonmember Price: \$99

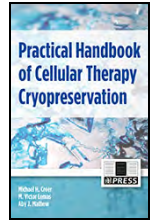
“ We are using this as a training resource and as a reference for best practices. It has just the right level of detail for an overview of the cell therapy landscape from a practical, applied perspective.

—R. Brent Dixon, PhD, HCLD(ABB), RAC

## Practical Handbook of Cellular Therapy Cryopreservation

*Edited by Michael H. Creer, MD; Aby J. Mathew, PhD; and M. Victor Lemas, PhD*

The cryopreservation process has an impact on cell yield, viability, and function. This *Practical Handbook of Cellular Cryopreservation* explains the “nuts and bolts” of the cryopreservation process from beginning to end: which freezers are used for which products, the fundamentals of freezing cells without damage, how to read freezing curves, how to handle products after an abnormality occurs, when to validate/verify/qualify, and so much more. This volume is packed with color illustrations that bring additional clarity to these detailed discussions.

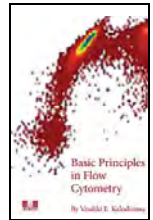


**PRINT EDITION:** AABB Press, 2015, 157 pages, ISBN 978-1-56395-869-4  
Product Code: 152492 | Member Price: \$50 | Nonmember Price: \$70

## Basic Principles in Flow Cytometry

*By Vasiliki E. Kalodimou, MSc, PhD*

This book provides a fundamental understanding of cell enumeration and discusses the principles of flow cytometer operation. Unlike other laboratory devices, flow cytometers present the technologist with many different settings for their use. Topics include fluorescence; dyes; DNA analysis; cell proliferation, death, apoptosis; quality control; clinical applications; and more.



**PRINT EDITION:** AABB Press, 2013, 91 pages, ISBN 978-1-56395-861-8  
Product Code: 132087 | Member Price: \$38 | Nonmember Price: \$46

## Together Again

Buy a bundle and save:

***Basic Principles in Flow Cytometry & Practical Handbook of Cellular Therapy Cryopreservation***

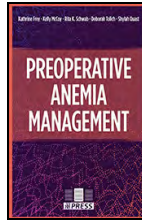
**BOTH BOOKS:** Product Code: 152916 |  
Member Price: \$77 | Nonmember Price: \$88



# Patient Blood Management

## Preoperative Anemia Management

By Kathrine Frey, MD; Kelly McCoy, RN; Shylah Quast, BSN, RN; Rita Schwab, CPMSM; Deborah Tolich, DNP, MSN, RN



This step-by-step guide to launching a preoperative anemia management program takes you through the process, from building a smart business model and gaining buy-in and approval, to implementation, measuring results, and demonstrating value. This is your essential primer on:

- Feasibility studies and business proposals.
- Engagement of leaders and stakeholders.
- Guidelines, algorithms, and workflows.
- Implementation and evaluation.
- Samples, templates, and slides in editable, digital format.

Get a head start toward success with USB card loaded with ready-made templates, such as a business plan, an implementation plan, a project management tool, workflows, correspondence, and more!

**PRINT EDITION:** AABB Press, 2019, 73 pages, ISBN 978-1-56395-970-7  
Product Code: 192991 | Member Price: \$84 | Nonmember Price: \$122

**DIGITAL EDITION:** AABB Press, 2019

Product Code: 192991DB | Member Price: \$84 | Nonmember Price: \$122



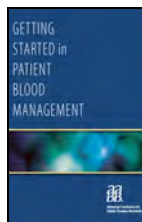
*Really good pearls for starting a preop anemia clinic and very to the point. Plus, the toolbox on the flash drive is very useful. If the thought of implementing a preoperative anemia management program has crossed your mind, this book is for you!*

—Mark Friedman, DO



## Getting Started in Patient Blood Management

By James P. AuBuchon, MD, FCAP, FRCP(Edin); Kathleen E. Puca, MD, MT(ASCP)SBB, FCAP; Sunita Saxena, MD, MHA; Ira A. Shulman, MD, FCAP; and Jonathan H. Waters, MD



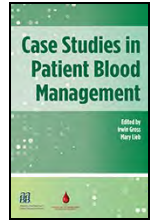
After reviewing the rationale for limiting transfusion, this primer thoroughly discusses the five major concepts in patient blood management: 1) limiting blood loss through phlebotomy for testing, 2) optimizing patient hemoglobin levels, 3) using autologous donation and intraoperative blood recovery techniques, 4) minimizing perioperative blood loss, and 5) making evidence-based hemotherapy decisions. Also included are practical suggestions for taking initial positive steps toward program implementation; sample forms and reports; and helpful print and online resources.

**DIGITAL EDITION:** AABB, 2011, 34 pages, ISBN 978-1-56395-828-1

Product Code: 112024DB | Member Price: FREE | Nonmember Price: \$40

## Case Studies in Patient Blood Management

Edited by Irwin Gross, MD, and Mary A. Lieb, MT(ASCP)SBB, CQA(ASQ)



Jointly developed by AABB and SABM, this collection of clinical scenarios is a resource for anyone interested in patient-centered care—including clinicians, nurses, technologists, pharmacists, ethicists, and risk managers. Each scenario features learning objectives, a clinical situation, discussion of PBM options, key points, and references.

Scenarios include:

- Anemic patients.
- OB/GYN patients.
- Orthopedic surgery.
- Cardiovascular surgery.
- Patients who refuse consent.
- Patients who are bleeding significantly.
- Hematology/Oncology patients.

**PRINT EDITION:** AABB/SABM, 2015, 32 pages, ISBN 978-1-56395-920-2

Product Code: 156897 | AABB and SABM\* Member Price: \$110 | Nonmember Price: \$145

**DIGITAL EDITION:** AABB/SABM, 2015

Product Code: 156897DB | AABB and SABM\* Member Price: \$110 | Nonmember Price: \$145

**PRINT AND DIGITAL BUNDLE:** Product Code: 156800 | AABB and SABM\* Member Price: \$182 | Nonmember Price: \$232

\*Please call +1.866.222.2498 to receive your discount.

## PBM Program Toolkit: Quality Manual

By Addisalem Taye Makuria, MD



A quality manual is required for implementation of a quality management system, to ensure that a program is not only well-run, but is also compliant with regulatory or accreditation requirements. This toolkit is a template, providing the framework for quality manual content as well as some sample language and listings of documents that demonstrate the kind of information a program should include. It is consistent with AABB *Standards for a Patient Blood Management Program*, and will be a huge time-saver for users tasked with creating or improving their quality manual.

Included with the lay-flat print copy is a USB flash card loaded with the same content. Users are encouraged—even requested—to make a working copy of the master file; customize it with facility- and program-specific details; and then review, authorize, and make it part of the program's living documents.

**PRINT EDITION:** AABB Press, 2018, spiral-bound cover, 33 pages, USB flash card included, ISBN 978-1-56395-976-9

Product Code: 182891 | Member Price: \$95 | Nonmember Price: \$130

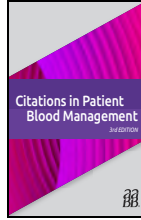
**DIGITAL EDITION:** AABB Press, 2018

Product Code: 182891DB | AABB Member Price: \$95 | Nonmember Price: \$130

# Patient Blood Management

## Citations in Patient Blood Management, 3rd edition

Compiled by Richard R. Gammon, MD; Christopher Bocquet; Mark T. Friedman, DO; Tina S. Ipe, MD, MPH; Sadhana Mangwana, MD, MBA; Aikaj Jindal, MD; Linda Rockwood, MS(CLM), MLS(ASCP)<sup>CM</sup>, CQA(ASQ), RABT; and Laura Stephens, MD, FCAP, QIA for the Transfusion Medicine Section Coordinating Committee



The resources in the literature on patient blood management are arranged by topic and subtopic in this updated compilation to form a convenient, useful reference tool. Compiled by subject matter experts, this publication serves as a comprehensive resource that will benefit anyone seeking to start or enhance their PBM program. Topics include assessment and treatment of anemia; transfusion indications, pharmacologic interventions, applications in point-of-care testing, PBM program development and certification, investigational agents, and more.

**DIGITAL EDITION:** AABB, 2021, 60 pages, ISBN 978-1-56395-434-4  
Product Code: 214064DB | Member Price: FREE | Nonmember price: FREE

## The Transfusion Committee: Putting Patient Safety First, 2nd edition

Edited by Sunita Saxena, MD, MHA

Is your facility struggling to review blood usage without a transfusion committee, blood utilization review committee, or similar group? This book will help you recognize the importance of a transfusion review committee in the evolution toward a patient blood management environment. Building on the solid foundation of the popular first edition, this revision adds new material throughout, as well as two new chapters. A CD-ROM is included, containing templates and forms ready for customization by each facility.

Topics include:

- Committee justification, organization, and function.
- Patient blood management and clinical practice guidelines.
- Regulatory agencies and accrediting organizations.
- Transfusionist and nurse participation (new).
- Quality tools for the committee.
- Reporting and system improvement (new).

**PRINT EDITION:** AABB Press, 2013, 190 pages, CD-ROM included, ISBN 978-1-56395-864-9  
Product Code: 132075 | Member Price: \$95 | Nonmember Price: \$120



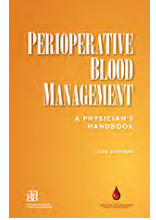
## Perioperative Blood Management: A Physician's Handbook, 3rd edition

Edited by Jonathan H. Waters, MD; Aryeh Shander, MD; and Karen E. King, MD

Published jointly by AABB and SABM, this Handbook contains essential information for those who recognize the duty to consider all alternatives in care, both to select transfusion and to avoid transfusion. It is small enough to fit in a lab coat pocket, yet comprehensive enough to answer many of the questions that arise in daily practice.

**PRINT EDITION:** AABB/SABM, 2013, 350 pages, ISBN 978-1-56395-842-7  
Product Code: 133022 | AABB and SABM\* Member Price: \$50 | Nonmember Price: \$70

\*Please call +1.866.222.2498 to receive your discount.



## PBM Metrics

By Nanci Fredrich, RN, BSN, MM; Richard R. Gammon, MD; Cheryl A. Richards, MT(ASCP)SBB; and Robin Tauer, RN, MHA

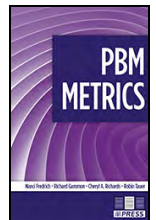
PBM Metrics brings you front-line expertise in collecting, analyzing, and reporting data on transfusion safety and patient blood management activities. Written by experts, the 23 chapters cover the vexing questions people raise about metrics. What metrics are most useful? How much data is too much data? How do you integrate what you are doing with the facility's IT system? What data are critical to track? How do you spot trends and determine their meaning? What's the most effective way to show the results? This information-packed volume will help you cross off many items on your metrics checklist.

Topics include:

- The big picture (role of metrics in PBM, different types of metrics).
- Data collection (best practices, provider-specific metrics, dashboards).
- What to measure (thresholds, single-unit transfusions, nursing notes, reactions).
- Usage trends (percent/number wasted, surveys, data comparisons).
- Sharing what you find out (graphics, level of detail, anonymous or not?)

**PRINT EDITION:** AABB Press, 2019, 117 pages, ISBN 978-1-56395-972-1  
Product Code: 192896 | Member Price: \$84 | Nonmember Price: \$122

**DIGITAL EDITION:** AABB Press, 2019  
Product Code: 192896DB | Member Price: \$84 | Nonmember Price: \$122



# Patient Blood Management

## Hospital Certification in PBM

AABB and The Joint Commission have teamed up to offer Patient Blood Management (PBM) Certification to hospitals accredited by The Joint Commission. Based on the *AABB Standards for a Patient Blood Management Program (PBM Standards)*, the certification can help organizations reap the maximum benefits of their PBM program. Reducing blood waste, improving patient outcomes, and reducing transfusion-related risks and costs make the collaboration between AABB and The Joint Commission essential to a facility with a PBM program.

How to get started? It's a stepwise process.

- Use the free trial of the *PBM Standards* in AABB's Standards Portal to help determine your facility's readiness to be evaluated.
- Study the PBM Certification Review Process Guide to help prepare for the on-site evaluation team visit.
- Review the white paper from an organization that has made the successful journey to certification and how it continues to benefit from the process.
- Submit your application 4 to 6 months before you would like to host the evaluation team visit.

For a free trial of the *AABB Standards*, visit <https://www.aabb.org/portaltrial>. For the review process guide, the white paper, the application form, and answers to any questions, contact [www.jointcommission.org/patientbloodmanagement](http://www.jointcommission.org/patientbloodmanagement).

## AABB Guide to Blood Recovery and Reinfusion in Surgery and Trauma

By Richard R. Gammon, MD; Emily Coberly, MD; Alesia Kaplan, MD; Janine Shepherd, MLS<sup>CM</sup>(ASCP)SBB

In just the past decade, patient blood management (PBM) programs have matured and grown in scope and sophistication. Increasingly, blood use in the surgical setting has become the centerpiece of those programs—likely because victims of trauma may suffer large-scale blood loss. The *AABB Guide to Blood Recovery and Reinfusion in Surgery and Trauma* focuses on the perioperative collection and reinfusion of blood that is shed during surgery, as well as prevention of the need for allogeneic transfusion in the postoperative period.

Topics addressed include:

- Maximizing the effectiveness of blood recovery and reinfusion.
- Details on sponges, suction, partially filled bowls, washing.
- Indications and contraindications for use of the techniques.
- Potential complications that may result.
- Storage of recovered blood.
- Administrative aspects of program operations.
- Regulatory and accreditation requirements.

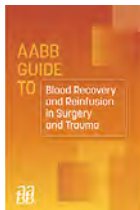
Also included are helpful appendices on indications and contraindications for perioperative blood recovery in different patient populations.

**PRINT EDITION:** AABB, 2020, 36 pages, ISBN 978-1-56395-412-2

Product Code: 203002 | Member Price: \$40 | Nonmember Price: \$55

**DIGITAL EDITION:** AABB, 2020

Product Code: 203002DB | Member Price: \$40 | Nonmember Price: \$55



## Patient Blood Management: Multidisciplinary Approaches to Optimizing Care

Edited by Jonathan H. Waters, MD, and Steven M. Frank, MD

This text explains the importance of combining strategies from multiple disciplines and offers practical advice on patient blood management (PBM) approaches. All 22 chapter experts use PBM concepts on a daily basis. Surgeons, anesthesiologists, nurses, perfusionists, pharmacists—all will find valuable content:

- Rationale and economics of PBM.
- Developing a PBM program.
- Preoperative patient evaluation.
- Perioperative blood recovery.
- Topical hemostatics.
- Point-of-care testing.
- Perioperative management in selected specialties: liver surgery, obstetrics, orthopedics, pediatrics, and cardiac surgery.

**PRINT EDITION:** AABB Press, 2016, 403 pages, ISBN 978-1-56395-932-5

Product Code: 162185 | Member Price: \$130 | Nonmember Price: \$150

**DIGITAL EDITION:** AABB Press, 2016

Product Code: 162185DB | Member Price: \$130 | Nonmember Price: \$150



## AABB Guide to Patient Blood Management and Blood Utilization

By Richard R. Gammon, MD; Sara Bakhtary, MD; Nanci Fredrich, RN, BSN, MM; Sherry Hogan, RN, CCRN; and Barbara Tubby, MT(ASCP)SBB, MSEd, for the Transfusion Medicine Section Coordinating Committee

Patient blood management (PBM), although practiced for many years, has come of age as a mainstream practice within the past decade. The goal of the *AABB Guide to Patient Blood Management and Blood Utilization* is to serve as a concise yet comprehensive resource by first explaining the various aspects of PBM. Then the content dives into the review, audit, and measurement of program efforts. The metrics of blood utilization have been spurred by development of sophisticated information technology systems and widespread use of electronic health records. Both new and long-standing PBM programs can benefit from this *Guide*, as its goal is to promote the journey from being a good PBM program to becoming a great one.

Topics covered:

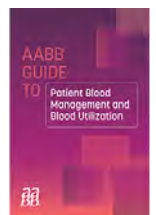
- Avoidance of allogeneic transfusion.
- Options available pre-, intra-, and postoperatively.
- Guidance for blood utilization.
- Methods for reviewing transfusion practices.
- How to audit transfusion decisions.
- Use of audit results to improve patient care.

**PRINT EDITION:** AABB, 2020, 60 pages, ISBN 978-1-56395-411-5

Product Code: 203412 | Member Price: \$50 | Nonmember Price: \$70

**DIGITAL EDITION:** AABB, 2020

Product Code: 203412DB | Member Price: \$50 | Nonmember Price: \$70



# Transfusion Practices

## General

### Technical Manual, 21st edition

Edited by Claudia S. Cohn, MD, PhD; Meghan Delaney, DO, MPH; Susan T. Johnson, MSTM, MT(ASCP)SBB<sup>CM</sup>; Louis M. Katz, MD; and Joseph Schwartz, MD, MPH

If there is such a thing as a must-have resource, the *Technical Manual* would be it. In its 29 chapters and 100+ methods/appendices this book provides valuable content for newcomers as well as seasoned professionals alike. The full spectrum of blood collection and transfusion is detailed: quality and regulatory issues, donor eligibility, component preparation, blood groups, antigen/antibody testing, transfusion practice (including special situations and patients, and transfusion outcomes. Additionally, this edition captures the late-breaking changes in donor deferrals made by the FDA just weeks before the new edition was released.

Other notable updates:

- Apheresis content updated to 2023 ASFA indications.
- Influence of COVID-19 included in discussions of disaster preparedness, blood shortages, convalescent plasma.
- Expanded cell therapy content.
- Changes in neonatal and pediatric transfuse practice.
- Updates in molecular testing.

The methods and appendices are once again posted online at no extra cost. Purchasers of the print edition will find an access code to the online content in the book itself, and the digital edition includes methods/appendices as ancillary files to the chapters. Because the *Technical Manual* is such a good text for those just about to begin their careers, the AABB is happy to offer student pricing.

**PRINT EDITION:** AABB, 2023, hard cover, 899 pages, ISBN 978-1-56395-464-1  
Product Code: 233013 | Member Price: \$188 | Nonmember Price: \$291 | Student Price: \$165

**DIGITAL EDITION:** AABB, 2023  
Product Code: 233013DB | Member Price: \$188 | Nonmember Price: \$291 | Student Price: \$165

**PRINT AND DIGITAL BUNDLE:** Product Code: 233690 | Member Price: \$311 | Nonmember Price: \$466



**NEW!**

### How Do I Do It? Volume 2

Compiled by Beth H. Shaz, MD

Readers of *TRANSFUSION* report that aside from the research content, their favorite feature in the journal is the practical advice articles begun in 2006 as the “How Do I . . . ?” series. Renamed “How Do I Do It?” in 2022, the feature continues to be popular, and this new compilation brings together the articles published since the first compilation in 2015. In this convenient volume, experienced colleagues describe how they manage more than 60 different situations from the laboratory, surgical suite, collection facility, and clinical care areas.

Topics include:

- Donor management.
- Inventory challenges.
- Testing issues.
- Massive transfusion.
- Transfusion reactions.
- Patient blood management.
- Molecular testing.
- Apheresis services.
- Neonatal/pediatric concerns.
- Cellular therapy and related products.
- Physician education.
- And more!

**PRINT EDITION:** AABB, 2023, 540 pages, ISBN 978-1-56395-473-3

Product Code: 233927 | Member Price: \$125 | Nonmember Price: \$165

**DIGITAL EDITION:** AABB, 2023

Product Code: 233927DB / Member Price: \$125 | Nonmember Price: \$165



**NEW!**

### Key Concepts in Transfusion Medicine

Edited by Joseph Schwartz, MD, MPH, and Huy P. Pham, MD, MPH

As its title notes, *Key Concepts in Transfusion Medicine* is intended to review and re-enforce the key concepts that professionals involved in the clinical aspects of blood transfusion (including apheresis and cellular therapy) need to know. For the clinicians who order blood components and the nurses who administer them, for physicians and technologists in training to become blood bankers, and for seasoned professionals who are mentoring newcomers in the field—this book is ideal.

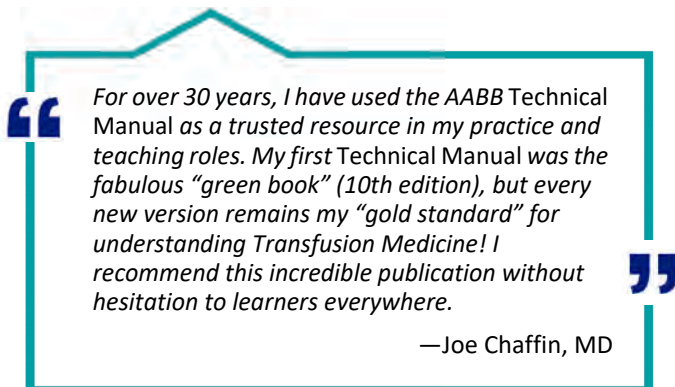
*Key Concepts* distills the current body of transfusion knowledge, presenting the material in a conversational style using language comprehensible to the nonspecialist. It highlights key ideas, facts, conclusions, and suggested readings, so readers who complete this volume should have a solid basis on which to make intelligent transfusion decisions as well as a good foundation for further reading. Its rather unique format includes marginal notes that re-emphasize the most important points, whether they are good ideas or warnings to remember.

**PRINT EDITION:** AABB Press, 2022, 557 pages, ISBN 978-1-56395-962-2

Product Code: 222023 | Member Price: \$95 | Nonmember Price: \$130

**DIGITAL EDITION:** AABB Press, 2022

Product Code: 222023DB | Member Price: \$95 | Nonmember Price: \$130



“For over 30 years, I have used the AABB Technical Manual as a trusted resource in my practice and teaching roles. My first Technical Manual was the fabulous “green book” (10th edition), but every new version remains my “gold standard” for understanding Transfusion Medicine! I recommend this incredible publication without hesitation to learners everywhere.”

—Joe Chaffin, MD

# Transfusion Practices

## Global Perspectives and Practices in Transfusion Medicine

*Edited by Quentin G. Eichbaum, MD, PhD, MPH, MFA, MMHC, MA, MSc, MMed, FCAP, FASCP (Editor in Chief); Soraya Amar El-Dusouqui, MD, MBO; Linda S. Barnes, DrPH, MHA; Evan M. Bloch, MBChB, MS; Meghan Delaney, DO, MPH; Tina S. Ipe, MD, MPH; Cees Th. Smit Sibinga, MD, PhD, FRCP Edin, FRCPath*



As pandemics can so poignantly highlight, the impacts of global interconnection are undeniable. Moreover, knowledge flows not solely from high- to low-resource settings, as insights from the latter have also proven crucial in medical advances. This collaborative project of the AABB Global Transfusion Forum uses the concepts of contextual impact, interdependence, and transformative learning as foundations for bidirectional benefit. Authors representing more than 25 countries, with more than 75% living and working in low- and middle-income countries (LMICs), offer authentic perspectives on current local practices from those with contextual expertise, who are often underrepresented in the literature.

These authors—physicians, nurses, medical technologists, and managers/administrators—provide peer-reviewed content for similar professionals, as well as trainees. Beyond its practical value to readers from LMICs, the book will also be useful to those in high-income countries who are open to the innovative potential of sharing ideas and adaptive practices within a global community.

A consistent chapter structure includes learning objectives, global comparisons, and considerations for practice on each chapter topic. A broad range of topics from 22 chapters is divided into five sections:

- History, resolutions, and frameworks.
- Developing blood systems.
- Transfusion practices.
- Transfusion education.
- Research, ethics, and health policy.

**PRINT EDITION:** AABB, 2023, 656 pages, ISBN 978-1-56395-451-1  
Product Code: 233000 | Member Price: \$58 | Nonmember Price: \$75

**DIGITAL EDITION:** AABB, 2023  
Product Code: 233000DB | Member Price: \$58 | Nonmember Price: \$75

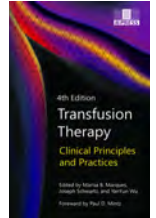
## Transfusion Therapy: Clinical Principles and Practice, 4th edition

*Edited by Marisa B. Marques, MD; Joseph Schwartz, MD, MPH; and Yan Yun Wu, MD, PhD*

The 22 chapters are grouped in three sections: Blood Products and Derivatives, Transfusion Medicine Practice, and Management Aspects of Transfusion Practice. The first section addresses (among other topics) pathogen reduction, unit age influence on patient outcome, and expanding modifications of components, as well as clinical use of components and derivatives. Chapters in the central section focus on sometimes-challenging areas of transfusion medicine such as use of extracorporeal devices; support for pregnant patients, neonates, and children; care of those who refuse consent; management of, and testing for, hemostasis—among many others. The final section brings readers up to date on management aspects, including hemovigilance, medico-legal issues, quality, regulations, and initiatives and metrics for optimal blood utilization.

**PRINT EDITION:** AABB Press, 2019, hard cover, 598 pages, ISBN 978-1-56395-996-7  
Product Code: 192005 | Member Price: \$180 | Nonmember Price: \$260

**DIGITAL EDITION:** AABB Press, 2019  
Product Code: 192005DB | Member Price: \$180 | Nonmember Price: \$260



## On-Call Manual: A Systematic Approach to Solving Common Issues in Transfusion Medicine

*Edited by Philip Howard, MD; Alexis Peedin, MD; and Melissa George, DO*

When they are calling you, who are *you* going to call? This handy resource is intended to assist residents, fellows, and attending pathologists who are on call, are covering the transfusion service, and do not yet have the experience of a seasoned expert. More than 20 realistic cases are presented, involving the types of situations that can happen at any time, involving patients experiencing transfusion reactions; clinicians requesting red cell, platelet, and plasma/cryoprecipitate transfusion; possible use of apheresis; and situations involving obstetric/perinatal/pediatric patients.

Each case spans the initial questions to be asked, differential diagnosis, consultation with others, evaluation of test results, what portends for the patient's future transfusion management, and handing off to the next shift's personnel with a complete report.

The editors crowd-sourced the topics from among their colleagues and applied a structured, systematic approach that can be used anywhere, even in situations not described in the book. References and suggested readings are also included.

**PRINT EDITION:** 2023, AABB Press, 105 pages, ISBN 978-1-56395-471-9  
Product Code: 232006 | Member Price: \$48 | Nonmember Price: \$62

**DIGITAL EDITION:** 2023, AABB Press  
Product Code: 232006DB | Member Price: \$48 | Nonmember Price: \$62





# Transfusion Practices

## Components

### Blood Transfusion Therapy: A Handbook, 14th edition

Edited by Melissa Cushing, MD; Jessica Poisson, MD; and Nicholas Bandarenko, MD

Hard to believe that things can change so much in 3 years. So although much of the “tried and true” content that was covered in the previous edition is still included, this updated edition has been thoroughly reviewed and augmented to capture the most recent trends in transfusion medicine practice. Concise discussions address blood components and derivatives, hemostatic disorders, transfusion complications, massive transfusion, patient blood management, and therapeutic apheresis.

New content on:

- Liquid plasma, pathogen-inactivated plasma, factor concentrates.
- RhIG dosing.
- Pre-hospital transfusion.
- Hyperhemolysis syndrome.
- Massive hemorrhage, including use of whole blood.
- See online description for more!

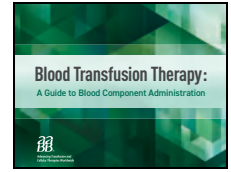
**PRINT EDITION:** AABB, 2023, ISBN 978-1-56395-475-7

Product Code: 233016 | Member Price: \$60 | Nonmember Price: \$90



### Blood Transfusion Therapy: A Guide to Blood Component Administration, 5th edition

By the contributing editors of *Blood Transfusion Therapy: A Physician's Handbook*, 13th edition



This popular 8.5" x 11" flip chart on safe blood administration been thoroughly updated to reflect recent changes. Administration of red cells, platelets, plasma, plasma derivatives, granulocytes, and cryoprecipitate is augmented by reminders on providing safe transfusions and managing transfusion reactions when they do occur. Multiple tabs, colorful graphics, and key points provide quick information on:

- Filters.
- Blood warming.
- Pumps.
- Compatible fluids.
- Infusion times.
- Temperature limits.
- Compatibility.
- And more!

**PRINT EDITION:** AABB, 2020, spiral-bound flip chart, ISBN 978-1-56395-409-2

Product Code: 203109 | Member Price: \$45 | Nonmember Price: \$55

### Blood Transfusion Therapy Data Card (Set of 10)

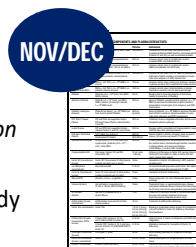
Developed by contributors to the *Blood Transfusion Therapy Handbook*

The *Blood Transfusion Therapy Data Card* is a handy reference that can be carried easily in a lab coat pocket. Laminated for durability, the Data Card features:

- An updated list of available components with their composition and indications for use (includes pathogen-inactivated and liquid plasma).
- An outline of treatment for acute transfusion reactions.
- Information on prothrombin complex concentrates, fibrinogen concentrate, Factor XIII concentrate, protein C concentrate, and activated prothrombin complex concentrates.

**PRINT EDITION:** AABB, 2023, laminated cards, ISBN 978-1-56395-476-4

Product Code: 233103 | Member Price: \$45 (set) | Nonmember Price: \$60 (set)



## The AABBS Handbook Series

For close to 40 years, the books in the AABBS Handbook Series have been handy, reliable, and valued resources for thousands of practitioners in the transfusion medicine field. Not only physicians, but also nurses, technologists, and other specialists have depended on one or more books in the series as their “go-to” or first reference. The solid content is informative and the references put readers on the right track to further research. The series currently includes:

- *Blood Transfusion Therapy: A Handbook*, 14th edition (this page).
- *Cellular Therapy: A Handbook*, 2nd edition (see page 8)
- *Pediatric Transfusion: A Handbook*, 5th edition (see page 21).
- *Perioperative Blood Management: A Physician's Handbook*, 3rd edition (see page 11).
- *Therapeutic Apheresis: A Handbook*, 6th edition (see page 23).

Currently in development is a new addition to the series—on coagulation. *Hospital Tissue Management: A Practitioner's Handbook* is now out of print.

# Transfusion Practices

## Circular of Information for the Use of Human Blood and Blood Components, 2021 (Set of 50)

Prepared by AABB, American Red Cross, America's Blood Centers, and the Armed Services Blood Program, this *Circular* is an extension of the container label and recognized as acceptable by the FDA. The FDA has detailed how the *Circular* in brochure format is to be used as well as the conditions under which the *Circular* on USB drive can be used. This important information is located on the *Circular* page of the AABB website.



New in this version:

- Expanded content on whole blood.
- Information on bacterial risk control strategies for platelets.
- Expanded information on pathogen reduction technology.
- Inclusion of pathogen-reduced cryoprecipitated fibrinogen complex.

The bundle of 3 sets and a USB includes FDA-approved guidance on when the digital version may be used.

**PRINT EDITION:** AABB, 2022, 64 pages, ISBN 978-1-56395-446-7  
Product Code: 223011 | Member Price: \$70 (set) | Nonmember Price: \$90 (set)  
**PRINT AND USB BUNDLE (USB and 3 sets printed):** Product Code: 223018 | Member Price: \$225 | Nonmember Price: \$270

## RBC Transfusion Data Card (Set of 10)

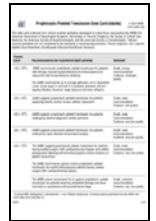
This *Data Card* is distilled from the AABB clinical practice guidelines published in late 2016. Laminated for durability, the card concisely summarizes evidence-based restrictive strategies for Red Blood Cell (RBC) transfusion in both adult and pediatric patients. Included are indications, contraindications, and key points on administration, as well as references. Also included is a guide to the evaluation of the evidence used to develop the recommended strategies.



**PRINT EDITION:** AABB, 2017, laminated cards, ISBN 978-1-56395-942-4  
Product Code: 173201 | Member Price: \$25 (set) | Nonmember Price: \$35 (set)

## Prophylactic Platelet Transfusion Data Card (Set of 10)

This *Data Card* (in sets of 10) is a convenient resource that folds to fit conveniently into a lab coat pocket for quick reference. Laminated for durability, the card concisely summarizes evidence-based clinical practice guidelines for the administration of platelets in a variety of adult patient populations. Included on the card is a guide to the evaluation of the evidence leading to the recommended guidelines. Also on the card are storage, transport, and expiration criteria for some of the most frequently transfused platelet products.



**PRINT EDITION:** AABB, 2015, laminated cards, ISBN 978-1-56395-918-9  
Product Code: 156840 | Member Price: \$28 (set) | Nonmember Price: \$38 (set)

## Blood Banking and Transfusion Medicine 101 Course

AABB offers an education series focusing on the fundamentals of blood banking and transfusion medicine. Designed for early-career professionals or those looking to refresh their knowledge, AABB's Blood Banking and Transfusion Medicine 101 Course provides a thorough overview of blood banking and transfusion medicine from top experts in the field. The series is divided into four main topics with 24 subtopics:

- Topic 1: Industry Review/Overview
- Topic 2: Blood Banking Fundamentals
- Topic 3: Transfusion Medicine Fundamentals
- Topic 4: Regulatory/Compliance Deep Dive

Learners receive access to 24 on-demand eCasts in varying lengths covering 24 subtopics, with unlimited access to the course's content for up to 2 years.

Interested? You can learn more about this course at [aabb.org/Blood101](http://aabb.org/Blood101).

# Transfusion Practices

## Immunohematology/ Serology

### Antibody Identification: Art or Science? A Case Study Approach

By Janis R. Hamilton, MS, MT(ASCP)SBB;  
Susan T. Johnson, MSTM, MT(ASCP)SBB<sup>CM</sup>;  
and Sally V. Rudmann, PhD, MT(ASCP)SBB



Written by practicing serologists and educators, these case study simulations examine techniques for alloantibody identification including use of chemicals, inhibition, adsorption, and adsorption/elution. Each case begins with a clinical scenario and initial test results, which are followed by a series of multiple-choice questions that offer testing options and protocols for resolution. Along the way, the reader is provided with detailed feedback designed to enhance reflection and critical thinking. Equally suited to classroom or individual study, the book includes access to a set of the questions without the answers, to provide a realistic testing situation.

**PRINT EDITION:** AABB Press, 2013, 506 pages, ISBN 978-1-56395-837-3

Product Code: 132020 | Member Price: \$82 | Nonmember Price: \$105

**DIGITAL EDITION:** AABB Press, 2013

Product Code: 132020DB | Member Price: \$82 | Nonmember Price: \$105

### Investigating Positive DAT Results: A Case Study Approach

By Susan T. Johnson, MSTM, MT(ASCP)  
SBB<sup>CM</sup>; Janis R. Hamilton, MS, MT(ASCP)  
SBB; and Sally V. Rudmann, PhD,  
MT(ASCP)SBB<sup>CM</sup>



The case studies in this book can help sharpen your skills for investigating a positive DAT result. Written by experienced serologists, the case studies in this volume provide a realistic testing situation for those professionals who investigate hemolytic transfusion reactions. Each case opens with a clinical scenario and results of initial laboratory testing, followed by multiple-choice questions that take the reader through further testing options and protocols for resolution. The cases also include detailed feedback for correct, as well as incorrect, choices made. Well-suited to both classroom and individual study, the book includes access to a set of the questions without the answers for a realistic simulation.

**PRINT EDITION:** AABB Press, 2016, spiral binding, 641 pages, ISBN 978-1-56395-911-0

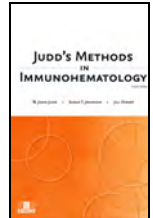
Product Code: 152770 | Member Price: \$95 | Nonmember Price: \$125

**DIGITAL EDITION:** AABB Press, 2016

Product Code: 152770DB | Member Price: \$95 | Nonmember Price: \$125

### Judd's Methods in Immunohematology, 4th edition

By W. John Judd, FIBMS, MIBiol; Susan T. Johnson, MSTM, MT(ASCP)SBB<sup>CM</sup>; and Jill Storry, PhD, FIBMS



This well-respected compilation has for many years been one of the most widely used references for serologic methods to address dilemmas in areas such as detection, identification, and investigation of antibodies; perinatal testing of mother and neonate; resolution of problems encountered with ABO typing; and in-house preparation of reagents. The authors—all experts—have thoroughly updated this edition, but also retained the valuable and still-relevant material from previous editions.

Contents include:

- Routine tube methods.
- Antibody detection.
- Enzyme techniques.
- Elution techniques.
- Cell separation methods.
- Alternative serologic methods for antibody detection.
- Reagent red cells (non-enzyme-treated).
- Antibody identification.
- Investigating antibodies to high-prevalence antigens.
- Prenatal and perinatal testing.
- Investigating samples containing autoantibodies.
- Investigating drug-induced hemolysis.
- Investigating abo grouping problems.
- Investigating red cell polyagglutination.
- Miscellaneous methods.

In addition, helpful appendices provide tips on reagent preparation and storage and a template for documentation of reagent preparation.

This resource can be used to save time for blood centers, transfusion services, and reference laboratories in developing or updating their standard operating procedures. Print edition comes with digital files for ease of customization.

**PRINT EDITION:** AABB Press 2021, hard cover, 719 pages, ISBN 978-1-56395-435-1

Product Code: 212190 | Member Price: \$140 | Nonmember Price: \$190

**DIGITAL EDITION:** AABB Press, 2021

Product Code: 212190DB | Member Price: \$140 | Nonmember Price: \$190



*I've used Judd's Methods both when I was working in an Immunohematology reference lab and a hospital transfusion service. It provides all the basic serologic testing methods you need in a crossmatch lab as well as the specialized testing most often performed in the reference lab. And everything is organized in the most convenient manner to help you complete your own documentation.*



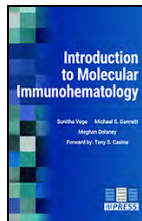
—Dawn Rumsey, ART(CSMLS), BB<sup>CM</sup>(ASCP)

# Transfusion Practices

## Introduction to Molecular Immunohematology

By Sunitha Vege, MS; Michael Gannett, MLS (ASCP)<sup>CM</sup>SBB<sup>CM</sup>; and Meghan Delaney, DO, MPH

Foreword by Tony S. Casina, MT(ASCP)SBB



This book covers the basics of red cell genetics and how molecular testing is used in the clinical setting. It connects the test performed to the genes, to the expressed phenotype, and to its relevance in clinical transfusion medicine. It should be a useful tool for evaluating patients who may benefit from blood group genetic testing and for interpretation of genotype results.

Includes:

- Basic concepts and terminology.
- Methods and applications for red cell genotyping.
- “Simple” and complex blood group systems.
- Resolution of discordances.

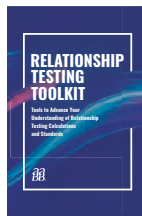
**PRINT EDITION:** AABB Press, 2020, 151 pages, ISBN 978-1-56395-365-1

Product Code: 202503 | Member Price: \$89 | Nonmember Price: \$120

**DIGITAL EDITION:** AABB Press, 2020

Product Code: 202503DB | Member Price: \$89 | Nonmember Price: \$120

## Relationship Testing Toolkit: Tools to Advance Your Understanding of Relationship Testing Calculations and Standards



This digital toolkit will assist practitioners with the evaluation of both standard and complex relationship testing (RT) situations. The combination of go-to reference documents on RT calculations and practical templates will make development of facility-specific forms for operational compliance much smoother. The toolkit also provides access to supplemental resources on the following topics:

- Mass fatality DNA identification operations.
- RT calculations.
- Likelihood ratios.
- Twinship.
- Chimeras.
- Hydatidiform moles.
- Incestuous parentage.

In addition, forms may be downloaded in Microsoft Word format for customization to assist in compliance with the record-keeping requirements in AABB *Standards for Relationship Testing Laboratories* (eg, competency record, continuing education, review of proficiency test results, software validation of calculations, and review of qualifications for the RT laboratory director).

**DIGITAL EDITION:** AABB, 2020, 212 pages

Product Code: 203062DB | Member Price: \$100 | Nonmember Price: \$149

## Relationship Testing 1.0

By Robert E. Wenk, MD, MS<sub>hGEN</sub>



This primer on relationship testing may begin with paternity issues, but it also discusses other uses of the science. Automation in the laboratory has enabled rapid and accurate test results, with computers processing the calculations for relationship probabilities. Unfortunately, these advances have come at the expense of our understanding of the testing logic that underlies those results. This concise text fills the gap in the current literature by providing a fundamental explanation of relationship testing in easily understood terms. Chapters address the basic science, how statistics are used, how the logic of relationship testing evolved, the types of testing used for paternity, and testing for other blood relatives. Suggested readings and a helpful glossary are included.

**PRINT EDITION:** AABB Press, 2018, 170 pages, ISBN 978-1-56395-966-0

Product Code: 182871 | Member Price: \$75 | Nonmember Price: \$105

**DIGITAL EDITION:** AABB Press, 2018

Product Code: 182871DB | Member Price: \$75 | Nonmember Price: \$105

**PRINT AND DIGITAL BUNDLE:** Product Code: 182877 | Member Price: \$120 | Nonmember Price: \$168

## Bloody Brilliant! A History of Blood Groups and Blood Groupers

By Steven R. Pierce, SBB(ASCP), and Marion E. Reid, PhD, FIBMS, DSc(Hon)



“The story of blood groups always begins in Vienna with Karl Landsteiner.” So begins this uniquely fascinating tale of how the blood groups were discovered and the interesting people who made those discoveries. Meticulously referenced, this volume is also lavishly illustrated as it recalls the progression of knowledge in blood grouping that continues today. This is the story not only of Landsteiner and other early giants, but also of Mollison, Garratty, and many others who have made their mark on the profession.

**PRINT EDITION:** AABB Press, 2016, hard cover, color illustrations, 633 pages, ISBN 978-1-56395-910-3

Product Code: 162963 | Member Price: \$180 | Nonmember Price: \$210



What a joy it is to read this unique and informative history! In addition to being a formal history of blood group serology, this volume is a scrapbook of snapshots, personal recollections, and intimate profiles of the personalities behind the serologic discoveries of the 20th century. It is a valued resource not only for our generation, but for those who follow.

—S. Gerald Sandler, MD, FCAP, FACP



# Transfusion Practices

## Blood Banker Favorites: A Collection of the Best Recipes for Blood Sample Preparation

By Susan T. Johnson, MSTM, MT(ASCP)SBB<sup>CM</sup> and Michael J. Schanen, MLS<sup>CM</sup>(ASCP)SBB<sup>CM</sup>



*Blood Banker Favorites* is intended for medical laboratory scientists, technicians, and educators who prepare samples for training, teaching, and competency assessment. Formatted as if it were a traditional “cookbook,” it contains almost 60 “recipes” (procedures) that have been validated to work. From weak expected ABO alloantibodies to immediate transfusion reactions, from cold autoantibody with broad specificity to positive DAT results with both IgG and C3—the upbeat presentation belies over 15 years of collecting sample preparation procedures from AABB colleagues. The authors carefully tested the recipes chosen for inclusion and developed this book as a gift to their profession. Destined to become a classic.

### Contents:

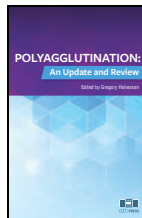
- Entertaining guests.
- Measurements and substitutions.
- ABO appetizers.
- Mixed-field salads.
- Antibody soups.
- Side dishes.
- DAT desserts.
- Full course meals.

**PRINT EDITION:** AABB Press, 2020, 202 pages, ISBN 978-1-56395-978-3  
Product Code: 202887 | Member Price: \$55 | Nonmember Price: \$80

**DIGITAL EDITION:** AABB Press  
Product Code: 202887DB | Member Price: \$55 | Nonmember Price: \$80

## Polyagglutination: An Update and Review

Edited by Gregory R. Halverson, MT(ASCP)SBB, DLM



Since the publication in 1980 of the slim AABB volume on the topic, much has changed. This update covers several new types of polyagglutination as well as some of the cell markers that have become associated with polyagglutination and disease. The intervening 40+ years of change have presented today’s professionals with new challenges, including the predominance of monoclonal, rather than polyclonal, reagents; lack of commercial sources of lectins; and a need to understand glycan array chips and computer-generated data analysis.

### Topics include:

- Lectins.
- Acquired polyagglutination.
- Inherited and rare forms.
- Identification of TR polyagglutination.
- NOR blood group antigen.
- Transfusion support for the patient with polyagglutination.
- Bonus! Helpful appendices of hard-to-find data.

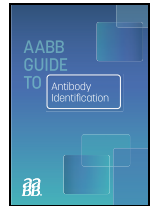
**PRINT EDITION:** AABB Press, 2022, 115 pages, ISBN 978-1-56395-453-5  
Product Code: 222080 | Member Price: \$60 | Nonmember Price: \$80

**DIGITAL EDITION:** AABB Press  
Product Code: 222080DB | Member Price: \$60 | Nonmember Price: \$80

## AABB Guide to Antibody Identification

Wen Lu, MD; Tony S. Casina, MT(ASCP)SBB; Susan T. Johnson, MSTM, MT(ASCP)SBB<sup>CM</sup>; Heather Jorissen, MLS(ASCP)SBB; Jennifer E. O’Connor, MSTM, MLS(ASCP)<sup>CM</sup>SBB<sup>CM</sup>; and Heather M. Smetana, MLS(ASCP)<sup>CM</sup>SBB<sup>CM</sup> for the Transfusion Medicine Section Coordinating Committee

The identification of antibodies in patients with a reactive pretransfusion antibody detection test is a critical element of safety in blood transfusion. This instructive *AABB Guide to Antibody Identification* addresses three key areas: 1) routine testing and interpretation of the results, 2) additional testing, including guidance on what alternatives to use and when, and 3) situations that call for unusual antibody testing.



### Examples of the detailed content include:

- Developing policies and procedures for antibody identification.
- How unexpected antibodies can be detected and identified.
- When to use different test methods (gel, tube, solid phase, etc).
- What findings affect the decision to transfuse.
- Definitions for compatibility, incidence, detection vs screen vs panel, plasma vs serum, etc.
- And so much more!

With appendices containing case studies, useful examples of “ruling out,” and a compilation of relevant regulatory and accreditation requirements—the scope and depth of the content will appeal to many facilities and technologists.

**PRINT EDITION:** AABB, 2021, 113 pages, ISBN 978-1-56395-418-8  
Product Code: 213001 | Member Price: \$68 | Nonmember Price: \$98

**DIGITAL EDITION:** AABB, 2021  
Product Code: 213001DB | Member Price: \$68 | Nonmember Price: \$98

“Working on the guides, as with working on any project with AABB, is always a fantastic experience, because I am able to meet and learn from incredibly knowledgeable colleagues. The workgroup meetings are always intellectually stimulating and provide wonderful opportunities to dig deeper into my own understanding and practices. Contributing to AABB publications as the final product is an exciting endeavor.”

—Wen Lu, MD

# Transfusion Practices

## Complications

### Transfusion Reactions, 5th edition

Edited by Patricia M. Kopko, MD

Transfusion reactions may vary widely in severity and symptomology, appearing from minutes to weeks after starting the procedure. This trusted AABB reference has been updated throughout to provide information from the latest scientific literature on adverse reactions to transfusion, common and uncommon. Aspects of each potential complication are examined, including clinical presentation, epidemiology, risk factors, morbidity, mortality, pathophysiology, differential diagnosis, and/or others. With a scope that is comprehensive, the book offers subtopics and tabular material that provide easy access to critical information for clinicians at all levels, as well as laboratory staff, involved in the care of transfusion recipients.



Important features:

- Two new chapters cover unconfirmed transfusion reactions and hemovigilance.
- Specific chapters devoted to nursing practices, prevention, and low-resource settings.
- Significant changes in TRALI and TACO prevention and identification since the previous edition.
- Thirteen other chapters cover complications by type of reaction, procedure, or product used.

**PRINT EDITION:** AABB, 2021, 732 pages, ISBN 978-1-56395-413-9

Product Code: 212160 | Member Price: \$155 | Nonmember Price: \$195

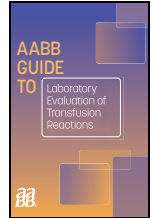
**DIGITAL EDITION:** AABB, 2021

Product Code: 212160DB | Member Price: \$155 | Nonmember Price: \$195

### AABB Guide to the Laboratory Evaluation of Transfusion Reactions

By Wen Lu, MD; J. Peter Pelletier, MD, MT(ASCP); Kathleen E. Puca, MD; Glenn Ramsey, MD; and NurJehan Quraishy, MD for the Transfusion Medicine Section Coordinating Committee

The evaluation and diagnosis of a suspected transfusion reaction is a matter of clinical judgment by a physician trained in adverse effects of transfusion. Negative testing results do not always exclude a reaction if there is strong suspicion that the patient's symptoms are related to blood transfusion. The laboratory evaluation of these events is critical not only for the patient's health, but also for corrective and preventive actions that are part of process improvement. Contents of this updated reference, the *AABB Guide to the Laboratory Evaluation of Transfusion Reactions*, include step-by-step guidance for:



- Hemolytic Transfusion Reactions.
- Transfusion-Related Acute Lung Injury.
- Transfusion-Associated Circulatory Overload.
- Allergic/Anaphylactic Reactions.
- Septic Transfusion Reactions.
- Posttransfusion Purpura.
- Iron Overload.
- Transfusion-Associated Graft-vs-Host-Disease.

Includes an extremely useful Appendix summarizing common acute and delayed transfusion reactions with their associated primary symptoms, additional symptoms, usual timing of onset, initial laboratory evaluation, and confirmatory/supplemental evaluations.

**PRINT EDITION:** AABB, 2021, 57 pages, ISBN 978-1-56395-421-4

Product Code: 213030 | Member Price: \$45 | Nonmember Price: \$68

**DIGITAL EDITION:** AABB, 2021

Product Code: 213030DB | Member Price: \$45 | Nonmember Price: \$68

**“** In reading this book, particularly Chapter 17, *Hemotherapy Bedside Biovigilance and Nursing Surveillance in the Recognition, Reporting, and Management of Transfusion-Associated Adverse Events*, I felt a renewed call to action to engage my teammates in optimizing each step in the transfusion process to improve quality, reduce cost, identify safety gaps, and decrease unnecessary or unwarranted transfusions.

—Alyssa Ziman, MD **”**

## See Also

If you think of *Transfusion Reactions, 5th edition* as a meal and *AABB Guide to the Laboratory Evaluation of Transfusion Reactions* as a snack, what's available if you want just a bite? The answer

can be found on page 15—specifically, on the Blood Transfusion Therapy Data Card. The essential actions to take when a reaction is suspected are on the data card, along with key information on components and their administration. Anyone who is monitoring a patient during or after blood transfusion (eg, transfusion service, nursing, or ICU staff) will benefit from having the essential actions listed on the laminated card, conveniently sized for a lab coat pocket.

MANAGEMENT OF ACUTE TRANSFUSION REACTIONS	
<b>Immediate Steps to be Completed:</b> 1. Stop Transfusion 2. Stop Transfusion Set 3. Notify Transfusion Service 4. Notify Nursing Supervisor and Physician	<b>Notify Transfusion Service:</b> 1. Notify Transfusion Service and Physician 2. Notify Nursing Supervisor and Physician 3. Notify Transfusion Service and Physician 4. Notify Transfusion Service and Physician
<b>Notify Transfusion Service:</b> 1. Notify Transfusion Service and Physician 2. Notify Nursing Supervisor and Physician 3. Notify Transfusion Service and Physician 4. Notify Transfusion Service and Physician	<b>Notify Transfusion Service:</b> 1. Notify Transfusion Service and Physician 2. Notify Nursing Supervisor and Physician 3. Notify Transfusion Service and Physician 4. Notify Transfusion Service and Physician

# Transfusion Practices

## Special Patients/Situations

### AABB Guide to the Use of Blood Warming Devices

Patrick Ooley, MS, MLS(ASCP), CMQ/OE(ASQ)CQA, et al for the Transfusion Medicine Section Coordinating Committee

This updated *Guide* addresses the concerns of those who establish policies, processes, and procedures to achieve the desired outcome of the AABB standard on blood warming. Contents include blood-warming technologies, advantages of blood-warming devices, indications for use, contraindications, warnings, and administrative aspects. The helpful hints from experienced authors of this *Guide* may not be widely available elsewhere.

**PRINT EDITION:** AABB, 2023, 13 pages, ISBN 978-1-56395-424-5  
Product Code: 233015 | Member Price: \$25 | Nonmember Price: \$40  
**DIGITAL EDITION:** AABB, 2023  
Product Code: 233015DB | Member Price: \$25 | Nonmember Price: \$40



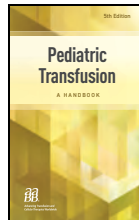
### Pediatric Transfusion: A Handbook, 5th edition

Edited by Edward C.C. Wong, MD; Susan D. Roseff, MD; and Nicholas Bandarenko, MD

*Pediatric Transfusion: A Handbook, 5th edition* is a concise yet comprehensive reference book for all practitioners who transfuse neonatal and pediatric populations. This book is invaluable for physicians treating patients in the hospital or those answering questions while on call in the blood bank. Written in response to questions from a variety of professionals in the field, this unique book presents, in one easy-to-use handbook, information that typically would require multiple volumes of text. Charts and tables outline information concerning volumes of blood components and doses of medication for neonatal and pediatric patients. Contributors with a wealth of practical experience share their knowledge in a resource that fits conveniently in your lab coat pocket.

This edition includes the latest updates addressing patients with special transfusion needs, including neonates, patients undergoing extracorporeal membrane oxygenation, cardiovascular surgery patients, trauma patients, sickle cell disease patients, and other pediatric patients who require chronic transfusion support. In addition, the latest updates on pathogen inactivation and the use of new blood products in children are discussed.

**PRINT EDITION:** AABB, 2020, 299 pages, ISBN 978-1-56395-405-4  
Product Code: 203020 | Member Price: \$45 | Nonmember Price: \$60



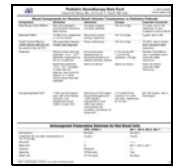
### Pediatric Hemotherapy Data Card (Set of 10)

Edited by Edward C.C. Wong, MD; Susan D. Roseff, MD; and Nicholas Bandarenko, MD

This *Data Card* is a handy reference that folds down to easily fit in your lab or suit coat pocket. Laminated for durability, the card features information used for small volume transfusions, formulas and calculations to determine volume of blood, general infectious risks of transfusion and special considerations in pediatric patients.

10 cards in a set; prices are per set.

**PRINT EDITION:** AABB, 2020, laminated cards, ISBN 978-1-56395-406-1  
Product Code: 203225 | Member Price: \$33 (set) | Nonmember Price: \$40 (set)

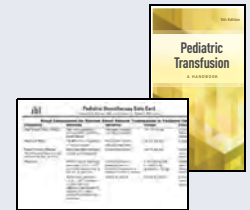


## Together Again

Buy a bundle and save!

**Pediatric Transfusion: A Handbook, 5th edition & Pediatric Hemotherapy Data Cards (set of 10)**

**BOTH ITEMS:** Product Code: 213688 | Member Price: \$62 | Nonmember Price: \$80



## Want to know more?

Interested in knowing more before you order? The online descriptions of our current publications, available at [www.aabb.org/store](http://www.aabb.org/store), provide additional information not found in the catalog. Where possible, we have shared the preface, the detailed table of contents, some sample pages, and even reviews by other readers. In many cases, we are able to identify for you related publications in our distinctive library that may also suit your needs.

As always, if you'd like to speak with one of our knowledgeable customer service associates, you can call toll-free in the United States (866-222-2498) or long distance internationally (+1 301-215-6489). Of course, you can order online anytime from anywhere.

Details on course adoptions, return policy, library orders, expedited delivery, purchase orders, shipping and handling fees, etc. are also posted at [aabb.org/store](http://aabb.org/store).

# Transfusion Practices

## Have an idea?

“Wouldn’t it be great if AABB had a book on \_\_\_\_\_?”  
If you’ve ever found yourself thinking about that, here is your official invitation: We are always looking for good ideas!

In selecting books for AABB Press, the Publications Committee studies all sorts of input—including ideas submitted by members and colleagues. Yes, the process of needs assessment involves review of survey responses, session evaluations, the strategic plan, committee and consultant reports on critical issues, and a host of other data. But some of the best ideas have come from thoughtful individuals. How to get started? It is not that hard, really.

- Get a copy of the proposal form from the AABB website or by e-mail to Jennifer Boyer, Publications Manager (jboyer@aabb.org).
- Create an outline showing the content of your proposed topic.
- Decide whether you want to participate in making the book a reality or just provide the idea.
- If you do decide to participate, decide also at what level—chapter author, book editor (you will recruit chapter authors), sole author (or with a few colleagues), or a book reviewer.
- Submit the completed proposal form with the topic outline to jboyer@aabb.org.

What happens next?

- Your proposal is circulated to the Publications Committee members for consideration.
- They may vote an immediate approval/disapproval or request a conference call to discuss (most likely).
- They may have questions or suggestions for you before voting.
- Once they have voted, you will be contacted.
- If the topic is approved and you have indicated you wish to participate, you’ll receive a contract, W-9 form, conflict of interest form, style manual, production schedule, etc.

The AABB Press is truly a grassroots program. All ideas are welcome. Plus, participation is a great way to be actively involved in the Association and network with colleagues around the world.

## AABB Guide to Massive Transfusion

*Vaanush Nazaryan, MBA, SBB(ASCP), CMQ/OE, CPHQ; Anna B. Choi, MPH, MT(ASCP); Mary E. Harach, MT(ASCP); Daniela Hermelin, MD; Mary A. Lieb, MT(ASCP)SBB, CQA(ASQ); Susan Noone, MPH, CQA(ASQ); Karla S. Smith, MT(ASCP)SBB; Mary Ann Sromoski, MSN, RN; and Jessica L. Varisco, for the Transfusion Medicine Section Coordinating Committee*



This *Guide*, a collaboration of clinical laboratory scientists, medical directors, and quality experts, represents best practices and regulatory requirements to assist transfusion services in providing quality care during massive transfusion. It will benefit anyone starting or enhancing a massive transfusion protocol or massive hemorrhage protocol and will help transfusion services provide the best care for their patients. It includes an appendix on situations to consider when creating a massive transfusion protocol.

**PRINT EDITION:** AABB, 2023, 26 pages, ISBN 978-1-56395-469-6

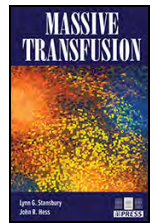
Product Code: 233055 | Member Price: \$35 | Nonmember Price: \$50

**DIGITAL EDITION:** AABB, 2023

Product Code: 233055DB | Member Price: \$35 | Nonmember Price: \$50

## Massive Transfusion

*By Lynn G. Stansbury, MD, MPH, MFA, FACP, and John R. Hess, MD, MPH, FACP, FAAAS*



Recent changes in massive transfusion response efforts are being implemented by many institutions around the world, with excellent results. *Massive Transfusion* succinctly explains the modern concepts of large-scale blood use; reviews the critical pathophysiology that requires massive transfusion; discusses the key administrative and technical issues surrounding support of catastrophic bleeding; and identifies challenges that need to be addressed in order to continue progress in the future.

Content includes:

- How historical approaches are being replaced by modern concepts.
- What components are needed for balanced resuscitation.
- How coagulopathic bleeding can evolve.
- Patient groups most likely to need massive transfusion.
- Changing approaches to resuscitation from expert practitioners.
- USB flash card of flowcharts, protocols, two case studies, and process documentation for adult and pediatric patients.
- Extra Bonus! Laminated data card features massive transfusion protocol activation steps on one side and what to do while the massive transfusion protocol is ongoing on the flip side.

**PRINT EDITION:** AABB Press, 2019, 169 pages, ISBN 978-1-56395-964-6

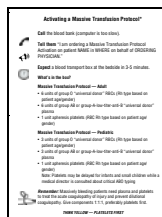
Product Code: 192318 | Member Price: \$84 | Nonmember Price: \$122

**DIGITAL EDITION:** AABB Press, 2019

Product Code: 192318DB | Member Price: \$84 | Nonmember Price: \$122

## Massive Transfusion Protocol Data Card (Set of 10)

Shouldn’t *all* your staff be prepared when an MTP is activated? This Massive Transfusion Protocol Data Card describes not only the steps to take when a protocol is activated, but also what actions to take while the MTP is ongoing. This card gives you the up-to-date information you’ll need during this tension-filled situation. And it is concisely presented on a laminated card that slips easily into a lab coat pocket for use anywhere in the facility. Includes information on:



- Key information needed for activating a protocol.
- Components to expect for adult patients.
- Components to expect for pediatric patients.
- Ordering emergency hemorrhage panels.
- Careful labeling of specimens.
- Key data on dilutions.
- Equivalents and results expected for pooled components.

**PRINT EDITION:** AABB, 2021, laminated cards, ISBN 978-1-56395-433-7

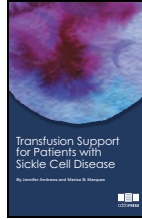
Product Code: 212320 | Member Price: \$32 | Nonmember Price: \$42



# Transfusion Practices

## Transfusion Support for Patients with Sickle Cell Disease, 2nd edition

Edited by Jennifer Andrews, MD, MSc, and Marisa B. Marques, MD



Affecting millions around the world, sickle cell disease (SCD) in the United States disproportionately affects African Americans and Hispanic Americans at a rate of 1 in 365 or 16,300 births, respectively.

Since the first edition of this book more than 20 years ago, significant advances have made this a truly exciting time with new therapies and curative options. Transfusion remains a critical tool in the therapeutic armamentarium, and this book offers the most recent research and best clinical practices from leading experts, including something for everyone involved in the treatment of SCD patients—clinicians, laboratory staff, and administrators.

Eleven chapters cover the following topics:

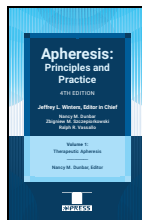
- Pathology of SCD.
- Indications and best approaches for transfusion.
- Alloimmunization and the use of molecular diagnostics.
- Complications of transfusion in SCD patients.
- Pragmatic clinical and coordinated laboratory model of best care.
- Stem cell and other cellular therapies.

**PRINT EDITION:** AABB Press, 2022, 292 pages, ISBN 978-1-56395-447-4  
Product Code: 222090 | Member Price: \$80 | Nonmember Price: \$110

**DIGITAL EDITION:** AABB Press  
Product Code: 202887DB | Member Price: \$80 | Nonmember Price: \$110

## Apheresis: Principles and Practice, 4th edition, Volume 1: Therapeutic Apheresis

Edited by Nancy Dunbar, MD  
Series edited by Jeffrey L. Winters, MD



The classic apheresis text *Apheresis: Clinical Principles and Practice* has been significantly reorganized into three separate volumes. The first volume focuses on therapeutic apheresis; the second and third volumes address donor apheresis and cellular therapy, respectively.

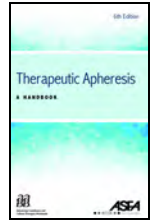
The first half of Volume 1 covers the history of therapeutic apheresis, current instrumentation, basic principles, clinical consultation, and patient management. The second half of the book covers disease-specific applications of therapeutic apheresis in hematologic, neurologic, renal, rheumatologic, and endocrine disorders; transplantation; and vascular and cardiac disorders. The updates are extensive.

**PRINT EDITION:** AABB Press, 2020, 234 pages, ISBN 978-1-56395-408-5  
Product Code: 202009 | Member Price: \$95 | Nonmember Price: \$130

**DIGITAL EDITION:** AABB Press 2020  
Product Code: 202009DB | Member Price: \$95 | Nonmember Price: \$130

## Therapeutic Apheresis: A Handbook, 6th edition

Edited by Joseph Schwartz, MD, MPH, and Nicholas Bandarenko, MD



Published jointly by AABB and the American Society for Apheresis (ASFA), *Therapeutic Apheresis: A Handbook* provides a thorough yet succinct account of the most commonly practiced apheresis procedures, indications for their use, and treatment recommendations for the diseases discussed.

It reflects the latest contents of the *Journal of Clinical Apheresis* Special Issue—"Guidelines on the Use of Therapeutic Apheresis in Clinical Practice—Evidence-Based Approach from the Writing Committee of the American Society for Apheresis." It represents an indispensable resource for every apheresis physician, nurse, and related support personnel.

**PRINT EDITION:** AABB/ASFA, 2019, 349 pages, ISBN 978-1-56395-997-4  
Product Code: 193025 | AABB and ASFA\* Member Price: \$75 | Nonmember Price: \$110

\*Please call +1.866.222.2498 to receive your discount.

**aabb** | **Corporate Partner**

**AABB Corporate Partners receive discounts on all bulk purchases of publications.**

**AABB's Corporate Partner Program**

Align your brand with the advancement of blood and biotherapies for donors and patients throughout the world, while increasing corporate visibility and establishing key relationships.

Visit [aabb.org/corporatepartner](http://aabb.org/corporatepartner) to join or learn more.

# Donors

## Blood Donor Health and Safety, 2nd edition

Edited by Anne F. Eder, MD, PhD, and Mindy Goldman, MD

Since publication of the first edition of Blood Donor Health and Safety (2009), many concerns have been raised and solutions have been implemented. Readers of this revision will develop a greater understanding of why some donors may be deferred for their own safety rather than the recipient's, blood centers will be able to implement innovative strategies for preventing adverse consequences, and donors themselves will benefit from an improved donation experience.

Topics covered:

- Donor education, consent, and counseling.
- Donor iron balance and consequences.
- Syncope and vasovagal reaction prevention/treatment.
- Needle-related issues.
- Collection by automated measures.
- Frequent plasmapheresis.
- Special situations (teens, seniors, disabled, etc). NEW!
- HPC donors.
- Donor hemovigilance.
- Future directions for research.

**PRINT EDITION:** AABB Press, 2022, 270 pages, ISBN 978-1-56395-448-1  
Product Code: 222015 | Member Price: \$90 | Nonmember Price: \$120

**DIGITAL EDITION:** AABB Press, 2022  
Product Code: 222015DB | Member Price: \$90 | Nonmember Price: \$120



## Apheresis: Principles and Practice, 4th edition, Volume 2: Collection of Blood Components by Apheresis

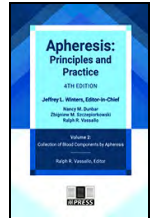
Edited by Ralph R. Vassallo, Jr, MD, FACP  
Series edited by Jeffrey L. Winters, MD

This thoroughly updated volume is an essential resource for physicians, administrators, and technical staff involved in donor blood collection and provision of components, offering a solid understanding of both the science and operational considerations. It begins by reviewing apheresis technology developments and a useful comparison of the specificities of current instruments. Next, aspects of donor care, including selection, physiology of the procedure, and donor reactions. Chapters then examine collection and processing by blood component type. Bacterial contamination and pathogen inactivation of components are vitally important topics covered separately, as is antigen matching. Finally, foundational quality systems are discussed in the context of donor apheresis.

With the reorganization of this new edition into three separate volumes, Volume 2 focuses on the varied aspects of donor apheresis. Content on therapeutic apheresis and cellular therapy is found in the other volumes. Volume 1: Therapeutic Apheresis is already available. Release of Volume 3 on Apheresis in Cellular Therapy is expected later this year.

**PRINT EDITION:** AABB Press, 2021, 226 pages, ISBN 978-1-56395-416-0  
Product Code: 212009 | Member Price: \$95 | Nonmember Price: \$130

**DIGITAL EDITION:** AABB Press, 2021  
Product Code: 212009DB | Member Price: \$95 | Nonmember Price: \$130



## Screening Blood Donors with the Donor History Questionnaire Free Addendum with FDA Updates

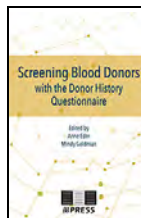
Edited by Anne F. Eder, MD, PhD, and Mindy Goldman, MD

*Screening Blood Donors* captures the significant information regarding use of the donor history questionnaire to assess donor eligibility. **It now is accompanied by an addendum that updates the book chapters affected by the FDA Guidance updates through May 2023—and it is free!** Internationally recognized experts provide essential information on current regulations and standards, variability in practices, a framework for decision-making in situations of absent or incomplete data, and differences between policies for collection of blood components and cellular therapy products. This essential text centers on three aspects: donor health issues, recipient risk of transfusion-transmitted diseases, and postdonation considerations. The book concludes with helpful appendices.

Have the book already? Go to [www.aabb.org/store](http://www.aabb.org/store), enter “Screening Blood Donors” in the Search box, and click on the Addendum under the product details.

**PRINT EDITION:** AABB Press, 2019, 269 pages, ISBN 978-1-56395-992-9  
Product Code: 192165 | Member Price: \$95 | Nonmember Price: \$138

**DIGITAL EDITION:** AABB Press, 2019  
Product Code: 192165DB | Member Price: \$95 | Nonmember Price: \$138



## Additional Resources



AABB donor center resources are not always in book form. Take advantage of these resources on the AABB website.

- On the Front Lines: Research and Donation. [[www.aabb.org/frontlines1](http://www.aabb.org/frontlines1)]
- On the Front Lines: Products and Delivery. [[www.aabb.org/frontlines2](http://www.aabb.org/frontlines2)]
- On the Front Lines: Recruitment and Operations. [[www.aabb.org/frontlines3](http://www.aabb.org/frontlines3)]
- On the Front Lines: Diversity and Challenges. [[www.aabb.org/frontlines4](http://www.aabb.org/frontlines4)]

# Individual Donor Assessment (IDA)

**AABB's IDA Resource Library has all the tools and information needed to adhere to FDA's guidance on IDA. Visit [aabb.org/IDA](https://aabb.org/IDA) now for access to complimentary resources.**

AABB encourages members of the blood and biotherapies community to visit the IDA Resource Library and take advantage of the available materials. AABB's IDA Resource Library includes:

- Timeline for Implementation of Individual Donor Assessments: Talking Points and FAQs for Blood Collection Facilities
- FAQs on Individual Donor Assessment Screening
- How Individual Donor Assessment Was Informed by Research
- Chart of FDA Recommended Deferrals to Reduce the Risk of HIV Transmission Through Blood and Blood Components
- Sex-Positive Conversations Training
- Individual Donor Assessment Primer: Sex-Positivity and Inclusivity
- Access to training modules to help blood bank staff navigate interactions with donors with an affirming, sex-positive approach
- And more!

# Management

## Transfusion Medicine Self-Assessment and Review, 4th edition

Edited by Amy E. Schmidt, MD, PhD, and H. Cliff Sullivan, MD, F(ACHI)

Developed to be used with the *Technical Manual*, this popular resource helps trainees learn and review concepts in an examination format. This edition contains 900 multiple-choice questions covering 18 topics in blood collection/transfusion and cellular therapies. Most explanations cover both correct and incorrect choices. New in this edition:

- Three new chapters—massive transfusion/ECMO, neonatal/pediatric issues, and lab management.
- Expansion of cellular therapy chapter to include biotherapies.
- Updated per 2023 ASFA indications for apheresis.
- Updated per 2023 FDA guidance on donor eligibility.
- “Bonus test” of random questions in realistic simulation.

The editors and authors of this edition bring you all-new questions and explanations. *Transfusion Medicine Self-Assessment and Review* will be of value in both the classroom and self-study settings.

**PRINT EDITION:** AABB Press, 2023, ISBN 978-1-56395-477-1  
Product Code: 232040 | Member Price: \$115 | Nonmember Price: \$150  
**DIGITAL EDITION:** AABB Press, 2023  
Product Code: 232040DB | Member Price: \$115 | Nonmember Price: \$150



## Transfusion Service Manual of Standard Operating Procedures, Training Guides, and Competence Assessment Tools, 3rd edition

By Holly Rapp, MT(ASCP)SBB, CQA(ASQ)CMQ/OE, and Judith Sullivan, MS, MT(ASCP)SBB, CQA(ASQ)

This manual provides hospital-based blood banks and transfusion services with process flow charts and procedure documents that assist with quality management systems documentation and regulatory and accreditation compliance.

Sections address:

- Pretransfusion testing.
- Crossmatching.
- Automated testing.
- Antibody identification.
- Mother and infant.
- Transfusion reactions.
- Issue and return.
- Training and competence assessment.

Forms are provided for developing a complete training guide and competence assessment packet for each work process. Accompanying USB drive contains SOPs for adoption and customization by facilities.

**PRINT EDITION:** AABB Press, 2017, spiral bound, 143 pages, ISBN 978-1-56395-950-9  
Product Code: 172180 | Member Price: \$140 | Nonmember Price: \$170  
**DIGITAL EDITION:** AABB Press, 2017  
Product Code: 172180DB | Member Price: \$140 | Nonmember Price: \$170



## Together Again

Buy a bundle and save!

*Transfusion Medicine Self-Assessment and Review, 4th edition AND Technical Manual, 21st edition*

**BOTH BOOKS:** Product Code: 232916 | Member Price: \$242 | Nonmember Price: \$353



## Ethical Issues in Transfusion Medicine and Cellular Therapy

Edited by Ronald E. Doman, MD, FACP, FCAP

*Ethical Issues in Transfusion Medicine and Cellular Therapy* captures today's issues and provides thought-provoking discussions from multiple perspectives. The book contains several case studies that can stimulate consideration by professionals in all areas. Content includes:

- Massive transfusion.
- MSM donors.
- Donor incentives.
- Cord blood.
- Informed consent.
- Research ethics.
- Hematopoietic mobilization.

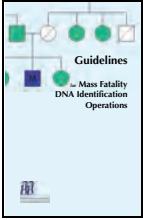
**PRINT EDITION:** AABB Press, 2015, 192 pages, ISBN 978-1-56395-909-7  
Product Code: 152150 | Member Price: \$95 | Nonmember Price: \$125  
**DIGITAL EDITION:** AABB Press, 2015  
Product Code: 152150DB | Member Price: \$95 | Nonmember Price: \$125



*The quest for clear, concise, efficient transfusion service documents never ends, especially in a busy and growing multi-hospital transfusion service. As we rewrite and revise our documents, the Transfusion Service Manual has been both mentor and reference, providing templated examples of procedures in blocked format, clear process flow diagrams, and thoughtful training and competency assessment tools. These resources are invaluable to those who are reaching for the next level of clarity.*

—Jacolyn D. Liebold, MBA, MT(ASCP)SBB





## Guidelines for Mass Fatality DNA Identification Operations

By Amanda Sozer, PhD; Michael Baird, PhD; Michelle Beckwith, BS; Brian Harmon, PhD; Demris Lee, MSFS; George Riley, PhD; and Stefan Schmidtt, PhD

This *Guideline* is intended to be available not only before a disaster occurs to assist in planning, but also at the time of crisis to facilitate implementation under the most difficult of circumstances. Topics covered include program management and oversight, technical considerations in sample collection and testing, data review, screening and statistics, and reporting of results. Special emphasis is placed on family interactions, educational and psychosocial support, and confidentiality of data. Appendices address determining probabilities, identifying mutations, calculating kinship, handling pedigree discrepancies, and using family pedigrees for correct sample collection.

**DIGITAL EDITION:** AABB, 2010, 53 pages, ISBN 978-1-56395-853-3  
Product Code: 103055DB | Member Price: FREE | Nonmember Price: FREE

## AABB Billing Guide for Blood Products and Related Services

**NEW!**



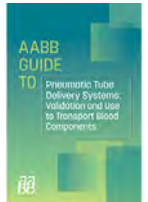
The *AABB Billing Guide* is an indispensable tool that provides up-to-date information on coding, Medicare billing, and reimbursement relating to blood products. The seven major sections contain critical details on the rules and exceptions that apply in both inpatient and outpatient settings. Nine appendices address specific situations, such as nonhospital settings, molecular testing, billing for other blood-related services, and handling rejected or denied claims. This revision is made possible through the efforts of the AABB Coding and Reimbursement Committee and the support of the Commonwealth Transfusion Foundation.

**DIGITAL EDITION:** AABB, 2023, 46 pages, ISBN 978-1-56395-407-8  
Product Code: 233055DB | Member Price: FREE | Nonmember Price: FREE

## AABB Guide to Pneumatic Tube Delivery Systems: Validation and Use to Transport Blood Components

By Julie Katz Karp, MD; Mary E. Harach, MT(ASCP), CQA(ASQ), SSGB; Monique Mohammed, MS, MT(ASCP)SBB; Roger Richard, MS, MT(AMT); Lynne Uhl, MD; and Julie van der Hoop, PhD for the Transfusion Medicine Section Coordinating Committee

Pneumatic tube delivery systems are an integral component of the contemporary day-to-day functioning of many blood banks and transfusion medicine services. In recent years, reliance on their speed has increased and the software used to operate them has become highly sophisticated. Adequate staffing at receiving stations is an increasing concern, as is the overall system workload. The *AABB Guide to Pneumatic Tube Delivery Systems* details the “nuts and bolts” of system planning, operation, and maintenance for facilities considering a pneumatic delivery system, those needing to expand an existing system, those who are considering the use of an existing system not originally designed for transport of blood, or those wanting to increase the efficiency of their current operations.



Highlights include:

- Spill prevention and management.
- Templates for validation protocol and worksheets.
- Examining routes for environmental conditions hazardous to components.
- Contingency planning for, and rehearsal of, alternative methods during system shutdowns.
- Training of staff.
- Current expectations and practice reflected in regulatory requirements.

This *Guide* will prove to be an invaluable resource for users who are looking ahead to future needs of their institutions.

**PRINT EDITION:** AABB, 2020, 31 pages, ISBN 978-1-56395-410-8  
Product Code: 203045 | Member Price: \$35 | Nonmember Price: \$50

**DIGITAL EDITION:** AABB, 2020  
Product Code: 203045DB | Member Price: \$35 | Nonmember Price: \$50

**aabb** **AABB eCasts**  
Invest in yourself, your profession and your organization.

AABB's eCasts are developed and led by world-renowned experts and are designed to help advance the field and promote professional development.

These 60- to 90-minute interactive, online programs provide CE/CME credits\* at your convenience. Programs are available both live and on-demand and can be purchased for individual or group viewing.

[aabb.org/eCasts](http://aabb.org/eCasts)

\*AABB offers continuing education credits/contact hours for most AABB eLearning activities. Continuing Medical Education (CME) activities have been planned and implemented in accordance with the accreditation requirements and policies of the Accreditation Council for Continuing Medical Education (ACCME) through the joint providership of CME Outfitters and AABB. CME Outfitters is accredited by the ACCME to provide continuing medical education for physicians.




Association for the  
Advancement of  
Blood & Biotherapies

# AABB'S DIGITAL PUBLICATIONS



**Get Instant, Portable Access  
to AABB Publications  
in 2 Easy Steps**

- 1 Purchase AABB's digital publications in the AABB Store. Look for the  icon or select "Downloads" from the product type filter.
- 2 Access your publication by going directly to **[ebooks.aabb.org/bookshelf](https://ebooks.aabb.org/bookshelf)**.<sup>\*</sup> Once logged in, you will have access to your digital bookshelf with all purchased digital publications.

**Digital publications can be accessed through most web-enabled devices, either online or through the app.**

<sup>\*</sup> Digital publications can also be accessed through the "Digital Content Access" area of your "My Account" page on [aabb.org](https://aabb.org), as indicated on the purchase confirmation screen. Email confirmation with access instructions are also provided after purchase.

# Index by Title

(New titles in bold)

<b>AABB Billing Guide for Blood Products and Related Services</b> . . . . .	27
AABB Guide to Antibody Identification . . . . .	19
AABB Guide to Blood Recovery and Reinfusion in Surgery and Trauma . . . . .	12
<b>AABB Guide to Massive Transfusion</b> . . . . .	22
AABB Guide to Patient Blood Management and Blood Utilization . . . . .	12
AABB Guide to Pneumatic Tube Delivery Systems: Validation and Use to Transport Blood Components . . . . .	27
AABB Guide to the Laboratory Evaluation of Transfusion Reactions . . . . .	20
AABB Guide to the Quality Assessment of Transfusion . . . . .	7
<b>AABB Guide to the Use of Blood Warming Devices</b> . . . . .	21
Antibody Identification: Art or Science? A Case Study Approach . . . . .	17
Apheresis: Principles and Practice, 4th edition, Volume 1: Therapeutic Apheresis . . . . .	23
Apheresis: Principles and Practice, 4th edition, Volume 2: Collection of Blood Components by Apheresis. . . . .	24
Auditing in the Cellular Therapy Laboratory . . . . .	7
Auditing in the Donor Center . . . . .	6
Auditing in the Transfusion Service . . . . .	7
Basic Principles in Flow Cytometry . . . . .	9
Blood Bank KPIs: How to Select, Develop, and Analyze Them . . . . .	6
Blood Banker Favorites: A Collection of the Best Recipes for Blood Sample Preparation . . . . .	19
Blood Donor Health and Safety, 2nd edition . . . . .	24
<b>Blood Transfusion Therapy Data Card (Set of 10)</b> . . . . .	15
Blood Transfusion Therapy: A Guide to Blood Component Administration, 5th edition . . . . .	15
<b>Blood Transfusion Therapy: A Handbook, 14th edition</b> . . . . .	15
Bloody Brilliant! A History of Blood Groups and Blood Groupers . . . . .	18
Case Studies in Patient Blood Management . . . . .	10
Cellular Product Toolkit: Guidance and Templates for Evaluating Requests, Fulfilling Requirements, and Delivering Compliant Products . . . . .	9
<b>Cellular Therapy: A Handbook, 2nd edition</b> . . . . .	8
Circular of Information for the Use of Cellular Therapy Products (2021) . . . . .	9
Circular of Information for the Use of Human Blood and Blood Components, 2021 (Set of 50) . . . . .	16
Citations in Patient Blood Management, 3rd edition . . . . .	11
Competency Assessment Toolkit: Tools for Compliance . . . . .	7
Error Management: Turning a Negative Situation into a Positive One. . . . .	6
Estándares Fundamentales para Recolección y Transfusión de Sangre . . . . .	4
Ethical Issues in Transfusion Medicine and Cellular Therapy. . . . .	26
Fundamental Standards for Blood Collection and Transfusion . . . . .	4
Getting Started in Patient Blood Management. . . . .	10
<b>Global Perspectives and Practices in Transfusion Medicine</b> . . . . .	14
Guidance for Standards for Blood Banks and Transfusion Services, 33rd edition . . . . .	3
<b>Guidance for Standards for Cellular Therapy Services, 11th edition</b> . . . . .	3
Guidance for Standards for Immunohematology Reference Laboratories, 12th edition . . . . .	5
<b>Guidance for Standards for Molecular Testing for Red Cell, Platelet, and Neutrophil Antigens, 6th edition</b> . . . . .	3
<b>Guidance for Standards for a Patient Blood Management Program, 4th edition</b> . . . . .	4
<b>Guidance for Standards for Perioperative Autologous Blood Collection and Administration, 10th edition</b> . . . . .	4
Guidance for Standards for Relationship Testing Laboratories, 15th edition . . . . .	5
Guidelines for Mass Fatality DNA Identification Operations. . . . .	27
<b>How Do I Do It?</b> . . . . .	13
Introduction to Molecular Immunohematology . . . . .	18
Investigating Positive DAT Results: A Case Study Approach . . . . .	17
Judd's Methods in Immunohematology, 4th edition . . . . .	17
Key Concepts in Transfusion Medicine . . . . .	13
Massive Transfusion . . . . .	22
Massive Transfusion Protocol Data Card (Set of 10) . . . . .	22
<b>On-Call Manual: A Systematic Approach to Solving Common Issues in Transfusion Medicine</b> . . . . .	14
Patient Blood Management: Multidisciplinary Approaches to Optimizing Care. . . . .	12
PBM Metrics . . . . .	11
PBM Program Toolkit: Quality Manual . . . . .	10
Pediatric Hemotherapy Data Card . . . . .	21
Pediatric Transfusion: A Handbook, 5th edition . . . . .	21
Perioperative Blood Management: A Physician's Handbook, 3rd edition . . . . .	11
Polyagglutination: An Update and Review . . . . .	19
Practical Handbook of Cellular Therapy Cryopreservation . . . . .	9
Preoperative Anemia Management . . . . .	10
Prophylactic Platelet Transfusion Data Card (Set of 10) . . . . .	16
RBC Transfusion Data Card (Set of 10) . . . . .	16
Relationship Testing 1.0 . . . . .	18
Relationship Testing Toolkit: Tools to Advance Your Understanding of Relationship Testing Calculations and Standards . . . . .	18
Screening Blood Donors with the Donor History Questionnaire Free Addendum with FDA Updates. . . . .	24
Standards for Blood Banks and Transfusion Services, 33rd edition (effective April 1, 2022) . . . . .	3
<b>Standards for Cellular Therapy Services, 11th edition (effective July 1, 2023)</b> . . . . .	3
Standards for Immunohematology Reference Laboratories, 12th edition (effective April 1, 2022) . . . . .	5
<b>Standards for Molecular Testing for Red Cell, Platelet, and Neutrophil Antigens, 6th edition (effective January 1, 2023)</b> . . . . .	3
Standards for Out-of-Hospital Transfusion Administration Services, 1st edition (effective July 1, 2018) . . . . .	5
<b>Standards for a Patient Blood Management Program, 4th edition (effective June 1, 2023)</b> . . . . .	4
<b>Standards for Perioperative Autologous Blood Collection and Administration, 10th edition (effective January 1, 2023)</b> . . . . .	4
Standards for Relationship Testing Laboratories, 15th edition (effective January 1, 2022) . . . . .	3
<b>Stem Cell Collection, Infusion, and Transfusion Support: A Primer</b> . . . . .	8
<b>Technical Manual, 21st edition</b> . . . . .	13
The Transfusion Committee: Putting Patient Safety First, 2nd edition . . . . .	11
Therapeutic Apheresis: A Handbook, 6th edition . . . . .	23
<b>Transfusion Medicine Self-Assessment and Review, 4th edition</b> . . . . .	26
Transfusion Reactions, 5th edition . . . . .	20
Transfusion Service Manual of Standard Operating Procedures, Training Guides, and Competence Assessment Tools, 3rd edition . . . . .	26
Transfusion Support for Patients with Sickle Cell Disease, 2nd edition . . . . .	23
Transfusion Therapy: Clinical Principles and Practice, 4th edition . . . . .	14

# *Index by Author/Editor*

<b>A</b>			
Alsaqri, Faisal Saud	6		
Andrews, Jennifer	23		
AuBuchon, James P.	10		
<b>B</b>			
Baird, Michael	27		
Bakhtary, Sara	12		
Bandarenko, Nicholas	8, 15, 21, 23		
Barnes, Linda S.	14		
Beckwith, Michelle	27		
Bloch, Evan M.	14		
Bocquet, Christopher	11		
Butch, Suzanne H.	6, 7		
<b>C</b>			
Cancelas, Jose	8		
Casina, Tony S.	18, 19		
Celluzzi, Christina M.	9		
Chanez, Tina	7		
Chenoweth, Anne	6		
Choi, Anna B.	22		
Coberly, Emily	12		
Cohn, Claudia S.	13		
Cooling, Laura	8		
Creer, Michael H.	9		
Cushing, Melissa	15		
<b>D</b>			
Delaney, Meghan	13, 14, 18		
Domen, Ronald E.	26		
Downs, Theresa A.	6, 7		
Dunbar, Nancy	23		
<b>E</b>			
Eder, Anne F	24		
Eichbaum, Quentin G.	14		
El-Dusouqui, Soraya Amar	14		
<b>F</b>			
Finney, Marcie	9		
Frank, Steven M.	12		
Fredrich, Nanci	11, 12		
Frey, Kathrine	10		
Friedman, Mark T.	11		
<b>G</b>			
Gammon, Richard R.	11, 12		
Gannett, Michael	18		
George, Melissa	14		
Goldman, Mindy	24		
Gross, Irwin	10		
<b>H</b>			
Halverson, Gregory R.	19		
Hamilton, Janis R.	17		
Harach, Mary E.	7, 22, 27		
Harmon, Brian	27		
Hermelin, Daniela	22		
Hess, John R.	22		
Hoffman, Sandra K.	7		
Hogan, Sherry	12		
Howard, Philip	14		
<b>I-J</b>			
Ipe, Tina S.	11, 14		
Jindal, Aikaj	11		
Johnson, Susan T.	13, 17, 19		
Jones, Kristy	7		
Jorissen, Heather	19		
Judd, W. John	17		
<b>K</b>			
Kalodimou, Vasiliki E.	9		
Kaplan, Alesia	12		
Karp, Julie Katz	27		
Katz, Louis M.	13		
King, Karen E.	11		
Kopko, Patricia M.	20		
<b>L</b>			
Lee, Demris	27		
Lemas, M. Victor	9		
Lieb, Mary A.	10, 22		
Loper, Kathy	9		
Lu, Wen	19, 20		
<b>M</b>			
Makuria, Addisalem Taye	10		
Mangwana, Sadhana	11		
Marques, Marisa B.	14, 23		
Mathew, Aby J.	9		
McCoy, Kelly	10		
Mohammed, Monique	27		
<b>N</b>			
Nazaryan, Vaanush	7, 22		
Nichols, Tracie	7		
Noone, Susan	22		
<b>O-P</b>			
O'Connor, Jennifer E.	19		
Ooley, Patrick	7, 21		
Peedin, Alexis	14		
Pelletier, J. Peter	20		
Pham, Huy P.	13		
Pierce, Steven R.	18		
Poisson, Jessica	15		
Puca, Kathleen E.	10, 20		
<b>Q</b>			
Quast, Shylah	10		
Quraishy, NurJehan	20		
<b>R</b>			
Ramsey, Glenn	20		
Rapp, Holly	26		
Reid, Marion E.	18		
Richard, Roger	27		
Richards, Cheryl A.	11		
Riley, George	27		
Rockwood, Linda	11		
Roseff, Susan D.	21		
Rudmann, Sally V.	17		
<b>S</b>			
Sanders, Tricia	6		
Saxena, Sunita	10, 11		
Schanen, Michael J.	19		
Schmidt, Amy	26		
Schmidtt, Stefan	27		
Schwab, Rita	10		
Schwartz, Joseph	13, 14, 23		
Shander, Aryeh	11		
Shaz, Beth H.	13		
Shepherd, Janine	12		
Shulman, Ira A.	10		
Sibinga, Cees Th. Smit	14		
Smetana, Heather M.	19		
Smith, Karla S.	22		
Sozer, Amanda	27		
Sromoski, Mary Ann	22		
Stansbury, Lynn G.	22		
Stephens, Laura	11		
Storry, Jill	17		
Sullivan, H. Cliff	26		
Sullivan, Judith	26		
<b>T</b>			
Tauer, Robin	11		
Tolich, Deborah	10		
Tubby, Barbara	12		
<b>U-V</b>			
Uhl, Lynne	27		
van der Hoop, Julie	27		
Varisco, Jessica L.	22		
Vasovic, Ljiljana Vladimira	7		
Vassallo Jr, Ralph R.	24		
Vege, Sunitha	18		
<b>W</b>			
Waters, Jonathan H.	10, 11, 12		
Wenk, Robert E.	18		
Winters, Jeffrey L.	23, 24		
Wong, Edward C.C.	21		
Wu, Yan Yun	14		



# AABB Publications Order Form

PRODUCT CODE	QTY	TITLE	UNIT PRICE	TOTAL

All prices are valid until 9/30/24. Delivery for all orders is dependent upon product availability. Once the order has been received, please allow 5-7 business days for delivery. For most international deliveries, please allow 10 to 15 business days. To ensure prompt delivery of your publication(s), please include this order form with payment.

**Get your copy tomorrow!** For next day services, call +1.866.222.2498 by noon ET, Monday – Friday (excluding holidays) and receive your order by the next business day. Additional charges apply.

**Ordering information:** AABB, PO Box 791251, Baltimore, MD 21279-1251.

Fax: 1.301.951.7150. Email: sales@aabb.org.

\*If mailing a check, please send to AABB, PO Box 791251, Baltimore, MD 21279-1251.

**SUBTOTAL**

**State Tax**  
(see list below)

**Shipping & Handling**

**TOTAL**

SHIPPING (please print clearly)

(Please check one)  
 Home  Office

**PREPAYMENT IS REQUIRED**  Check enclosed in U.S. currency\*  
 VISA  MC  Diners Club  AMEX  DISC

**Member #** (Member number required for member prices.)

**Name** (required for processing)

**Facility Name** (if applicable)

**Street Address 1** (PO boxes are not accepted)

**Street Address 2**

**City/State/Zip+4**

**Country/Postal Code**

**Phone #**

**Email**

**DIGITAL PUBLICATIONS** (please print clearly)

**Intended User's Name**

**Intended User's email**

**BILL TO** (please print clearly)  Same as Shipping Above

**Name**

**Street Address**

**City/State/Zip+4/Country/Postal Code**

**Credit Card #**

**Exp. Date**

**CVV Security Code**

**Cardholder's Name**

**Signature**

**STATE, COUNTY, AND CITY SALES TAX**  
(applies to residents of these states only)

CA	10.25%	IN	7.00%	NC	7.50%	TN	10.00%
DC	6.00%	LA	11.45%	OH	8.00%	TX	8.00%
FL	6.00%	MA	6.25%	OK	11.50%	WA	10.25%
IL	11.00%	MD	6.00%	SC	9.00%		

Before completing your order, please confirm state sales tax rates at: aabb.org/store because the rates listed above are subject to change.

**SHIPPING & HANDLING**

U.S. Orders	UPS Ground	Orders Outside the U.S. (including Puerto Rico)	UPS Int'l
UP TO \$59.00	\$15	UP TO \$99.00	\$35
\$59.01 – \$99.00	\$20	\$99.01 – \$249.00	\$55
\$99.01 – \$249.00	\$25	\$249.01 – \$349.00	\$90
\$249.01 – \$349.00	\$28	\$349.01 – \$499.00	\$125
\$349.01 – \$499.00	\$32	\$499.01 – \$649.00	\$155
\$499.01 – \$649.00	\$37	\$649.01 – \$2500.00	\$175
\$649.01 – \$2500.00	\$40	\$2500.01 – \$14,000.00	\$250
\$2500.01 – \$14,000.00	\$100	\$14,000.01+, CONTACT AABB	
\$14,000.01+, CONTACT AABB			

+1.866.222.2498 **31**

# Ordering Information

## PUBLICATIONS ORDERING INFORMATION

### AABB

P.O. Box 791251  
Baltimore, MD 21279-1251  
Phone: +1.866.222.2498 or  
Intl: +1.301.215.6489  
Fax: +1.301.951.7150  
Email: sales@aabb.org

Order online anytime at  
[aabb.org/store](http://aabb.org/store)

**AABB MEMBER DISCOUNTS:** As one of the many benefits of AABB membership, members are entitled to discounts of up to 40 percent off AABB publications. You must include your membership number on the order form to receive the discount.

**PAYMENT:** Payment must be made in US dollars in the form of a check payable to AABB, or we also accept Visa, MC, AMEX, Discover, and Diners Club. Please allow two to three weeks shipping for international orders not placed online.

**PURCHASE ORDERS:** Purchase orders without accompanying payment will be accepted only from city, state, and federal agencies. This must be completed on a standard government form issued by the purchasing office of the city, state, or federal treasury.

**RETURN POLICY:** A book may be returned for any reason for exchange, refund, or credit when sent to AABB, along with the packing slip, postmarked within 21 days of receipt. Returns must be fully prepaid and packed so that they arrive undamaged (unless the return is due to a defect). Any book defaced, damaged, or marked by the purchaser will not be accepted.

### RETURNS

#### BrightKey Inc.

Attn: AABB Returns  
1780 Crossroads Drive  
Odenton, MD 21113

**COURSE ADOPTIONS:** Many AABB publications are valuable resources for the classroom. AABB will provide instructors with an examination copy of the book for possible classroom application. To receive this, an instructor must provide AABB with the school's name, course, and estimated enrollment. The examination copy will be sent along with an invoice for the purchase price. This charge will be canceled if an order for 10 or more books is placed within 15 days, thereby providing the instructor with a complimentary copy of the text. If the book is not adopted, the instructor must either send payment for the book or return the book to AABB.

**LIBRARY ORDERS:** AABB is pleased to provide a 10 percent discount off the nonmember price to all libraries and bookstores. For more information contact the AABB Sales Department at sales@aabb.org or call +1.866.222.2498 (8:30 am – 5:00 pm ET). Be sure to include shipping and handling charges.

**DISTRIBUTORS:** AABB welcomes inquiries about possible distribution and resale of AABB publications. For more information please contact the AABB Sales Department at sales@aabb.org or call +1.866.222.2498.

**STUDENT PRICING:** Students are entitled to receive the member price for all publications. Students must call AABB Sales at +1.866.222.2498 within the US or +1.301.215.6489 internationally (8:30 am – 5:00 pm ET).

**DIGITAL PUBLICATIONS:** Some publications are available digitally on a platform where you can make notes, bookmark, and access your publication 24/7. Check out the growing list at [www.aabb.org/digital](http://www.aabb.org/digital), and remember to use the right digital product codes when ordering to get the digital version you intend to purchase.

**ONLINE ORDERING:** Ordering is easy online, and you can receive your publications faster. Please allow 5 to 7 business days in the United States and

7 to 10 business days for most international orders to be delivered.

**MAIL-IN ORDER FORM:** Delivery for all orders is dependent upon product availability. Once the order has been received, please allow 7 to 10 business days for delivery. For most international deliveries, please allow 10 to 15 business days. To ensure prompt delivery of your publication(s), please include the order form with payment.

**NEXT-DAY SERVICES:** For next-day services, call +1.866.222.2498 by noon ET in the U.S. (GMT – four hours) Monday - Friday (excluding holidays) and receive your order by the next business day. Additional charges apply.

**OUR COMMITMENT TO YOU:** If you are not 100 percent satisfied with any product you purchase from AABB, please call and give us the opportunity to make it right. We want you to be completely satisfied with every product you purchase. Contact our Customer Service Department at +1.866.222.2498 within the U.S. and +1.301.215.6489 internationally.

SHIPPING & HANDLING	
U.S. Orders	UPS Ground
UP TO \$59.00	\$15
\$59.01 – \$99.00	\$20
\$99.01 – \$249.00	\$25
\$249.01 – \$349.00	\$28
\$349.01 – \$499.00	\$32
\$499.01 – \$649.00	\$37
\$649.01 – \$2500.00	\$40
\$2500.01 – \$14,000.00	\$100
\$14,000.01+ CONTACT AABB	
Orders Outside the U.S. (including Puerto Rico)	UPS Int'l
UP TO \$99.00	\$35
\$99.01 – \$249.00	\$55
\$249.01 – \$349.00	\$90
\$349.01 – \$499.00	\$125
\$499.01 – \$649.00	\$155
\$649.01 – \$2500.00	\$175
\$2500.01 – \$14,000.00	\$250
\$14,000.01+ CONTACT AABB	

# VISIT THE AABB STORE

Find all the products and services to expand your knowledge and advance your career in one place.

**CHECK  
BACK OFTEN –**  
New resources added  
frequently



The AABB Store includes an easily navigable search feature that allows you to find content by product type and topic. Visit today to discover the latest highly-acclaimed publications, ecasts, and courses that AABB offers.

[aabb.org/store](http://aabb.org/store)



# Visit the **AABB Store**

**Check  
Back Often –**

New resources  
added frequently

Find all the products and  
services to expand your  
knowledge and advance your  
career in one place.



**aabb.org/Store**