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Welcome!

It is a real pleasure to bring you the AABB 2022 Publications Catalog brimming with new releases in addition to many of your favorites.

In one of the best traditions of the AABB Community, your colleagues have collaborated to provide expertly written resources for all. In particular, small work groups of the Transfusion Medicine Section have updated several texts in a series of AABB Guides. The Guides delve into topics all too often overlooked in larger compendia.

Yet AABB experts have also produced major works. This year, we are very happy to present new editions of Transfusion Reactions, Apheresis Principles and Practice (volume 2, Collection of Blood Components by Apheresis), and Judd’s Methods in Immunohematology.

Our new releases this year also include standards, toolkits, and other formats—all designed to assist in the care of donors and patients, in the improvement of facility operations, and in the advancement of your career.

Please enjoy browsing through these pages and stay tuned for more on the way!

Laurie Munk
Publications Director, AABB

WHAT’S NEW?

Be sure to check out the newest AABB publications, which are highlighted throughout these pages.

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AABB STANDARDS PORTAL

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

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- 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.

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transfusion services through quality standards and technical standards. New requirements in this edition include:

- New standards 1.5 and 1.5.1 require that accredited cellular therapy facilities perform assessments of risk related to the potential introduction of contamination.
- New standard 3.3 requires that equipment be used in accordance with manufacturer’s written instructions.
- New standard 4.5.2.1 requires that accredited cellular therapy facilities identify vulnerable donor populations who would require access to a donor advocate prior to giving consent.
- New standards 5.14.7 and 5.14.7.1 detail the records a procurement facility must share with a processing facility, mirroring the requirements contained in standard 5.14.5.
- Standard 5.29.2 has been expanded to require policies, processes, and procedures to observe recipients for complications related to immune effector cellular therapy.
- New standard 5.30.1 requires clinical facilities to provide data to their chosen registry in a manner that is consistent and appropriate.

**Standards for Blood Banks and Transfusion Services, 32nd edition (effective July 1, 2020)**

As in the past, this edition of **Standards for Blood Banks and Transfusion Services** details the latest standards of practice for blood banks and transfusion services through quality standards and technical requirements. Significant changes include:

- Policies, processes, and procedures for operational continuity in times of risk. Also, a policy on inventory shortages.
- Mitigation of postdonation iron deficiency.
- Parent or legally authorized representative is notified of potential adverse effects before granting permission to donate.
- Requirement for Zika virus RNA testing and when to use (or not) nucleic acid testing for Babesia spp.
- The use of cold-stored platelets, specifically in trauma settings.

**PRINT AND GUIDANCE BUNDLE**

**Guidance for Standards for Blood Banks and Transfusion Services** sets forth the requirements side by side with the associated guidance. The guidance highlights issues that may require additional context for complete understanding, provides examples to demonstrate pathways to compliance, and cites resources for further exploration. A bonus copy of the BBTS Standards is included.

**STANDARDS PORTAL:** AABB, 2020, digital edition
Product Code: 203120SP | Member Price: $188 | Nonmember Price: $273
Product Code: 203120 | Member Price: $188 | Nonmember Price: $273
PRINT AND PORTAL BUNDLE: Product Code: 203830 | Member Price: $300 | Nonmember Price: $435

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

**Standards for Out-of-Hospital Transfusion Administration Services (OHTAS Standards)** 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: 183145SP | Member Price: $120 | Nonmember Price: $140
PRINT EDITION: AABB, 2018, soft cover, 44 pages, ISBN 9781563959875
Product Code: 183145 | Member Price: $65 | Nonmember Price: $79
PRINT AND PORTAL BUNDLE: Product Code: 183142SP | Member Price: $65 | Nonmember Price: $79
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: 182237DB | 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: 202239DB | Precio para miembros: GRATIS | Precio para no miembros: GRATIS


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. Significant changes in this edition include:
- Reference Standard 1.1.2A includes new requirements surrounding pediatric, obstetric, and single-unit transfusion patients. Each group now has a corresponding standard in Chapter 5, Process Control.
- New Standard 5.3.2 addresses individuals who complete the informed consent process, but in the end refuse blood.
- New Standard 5.16 requires that high blood users in a facility have plans in place to monitor the effects of high blood loss as well as the strategies needed to prevent and/or manage them.

STANDARDS PORTAL: AABB, 2020, digital edition
Product Code: 203186SP | Member Price: $95 | Nonmember Price: $110
PRINT EDITION: AABB, 2020, soft cover, 47 pages, ISBN 9781563953583
Product Code: 203186 | Member Price: $95 | Nonmember Price: $110
PRINT AND PORTAL BUNDLE: Product Code: 203882 | Member Price: $135 | Nonmember Price: $190

Guidance for Standards for a Patient Blood Management Program allows the reader to see the requirements in the PBM Standards side by side with the associated guidance. The guidance highlights issues that may require additional context and/or examples to assist users in attaining compliance. A bonus copy of the PBM Standards is included.

PRINT AND GUIDANCE BUNDLE: Product Code: 204086 | Member Price: $135 | Nonmember Price: $190

Standards for Perioperative Autologous Blood Collection and Administration, 9th edition (effective January 1, 2021)

Standards for Perioperative Autologous Blood Collection and Administration addresses the collection and preparation of components from intraoperative blood recovery. Its goal is to maintain and enhance the quality and safety of care for autologous donor/patients and to provide a basis for the AABB Accreditation Program. Significant changes include:
- Standard 1.4 requires policies, processes, and procedures in place for continuity of operations in times of risk.
- Standard 7.3.1.1 requires that in the cases of adverse events, the first step is to discontinue the administration of blood components.
- Standard 8.3.1 requires quality indicator data to be shared with those who have most responsibility for the relevant activities.

STANDARDS PORTAL: AABB, 2020, digital edition
Product Code: 203100SP | Member Price: $146 | Nonmember Price: $173
Product Code: 203100 | Member Price: $146 | Nonmember Price: $173
PRINT AND PORTAL BUNDLE: Product Code: 203968 | Member Price: $250 | Nonmember Price: $270

Guidance for Standards for Perioperative Autologous Blood Collection and Administration allows the reader to see the requirements in the Perioperative Standards side by side with the associated guidance. The guidance highlights issues that may require additional context and/or examples to assist users in attaining compliance. A bonus copy of the Perioperative Standards is included.

PRINT AND GUIDANCE BUNDLE: Product Code: 204095 | Member Price: $250 | Nonmember Price: $270
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.
- New standard 3.5.6 requires laboratories to have processes to minimize the possibility of internal and external data breaches.
- New standard 4.4.1 requires that laboratories have a process to review promotional materials of contracted third-party administrators.
- Standards 5.2.4.8 and 5.2.4.8.1 have clarified State Department language for identification records related to immigration, visa, passport, and citizenship.

Standards for Immunohematology Reference Laboratories, 11th edition (effective July 1, 2020)

These Standards for Immunohematology Reference Laboratories rely on a matrix of quality management and technical requirements and are harmonized with Standards for Blood Banks and Transfusion Services. Significant changes include:

- Standard 1.6 requires policies, processes, and procedures addressing continuity when operations are at risk.
- More than 20 resources that were part of Reference Standard 2.2A are now in 2.2B. Accredited labs must meet 100% of resources in 2.2A and 50% in 2.2B.
- Standard 3.5.2 now includes cold-reactive antibody detection as a required serologic capability.

Standards for Molecular Testing for Red Cell, Platelet, and Neutrophil Antigens, 5th edition (effective October 1, 2020)

Standards for Molecular Testing for Red Cell, Platelet, and Neutrophil Antigens contains requirements for facilities using molecular methods to detect and identify blood group antigens. It addresses RFLP testing, SNP analysis, and DNA array. Also provided is a detailed list of inventory resources required for performing this work. Significant changes include:

- Reference Standard 2.2A includes DNA Resources and HGVS nomenclature to ease reporting.
- Standards 3.5 to 3.5.2 require laboratories to have alarm systems that activate when appropriate.
- Standard 5.1.4.3 requires methods to ensure that results received from other laboratories in a different format are comparable.
Blood Bank KPIs: How to Select, Develop, and Analyze Them

By Faisal Saud Alsaaqri, BCLS, CLS(SBB)

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 with the examples provided and then create their own later on.

Product Code: 202006 | Member Price: $50 | Nonmember Price: $85

DIGITAL EDITION: AABB Press, 2020
Product Code: 202006DB | Member Price: $50 | Nonmember Price: $85

Auditing in the Transfusion Service

By Suzanne H. Butch, MA, MLS(ASCP) SBB™, 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.

Product Code: 122009DB | Member Price: $40 | Nonmember Price: $55

Auditing in the Donor Center

By Suzanne H. Butch, MA, MLS(ASCP)SBB™; 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.

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

How to measure your performance is a challenge. The AABB resources such as Blood Bank KPIs: How to Select, Develop, and Analyze Them provide 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™
Auditing in the Cellular Therapy Laboratory

By Suzanne H. Butch, MA, MLS(ASCP)SBB; 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.

Product Code: 132007DB | 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 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 Vladimir 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.

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

The New “AABB Guide to” Series

AABB is in the process of revising some of the Guideline series books (1990s to early 2000s) and introducing its “Guide to” series. The books have been updated for today’s practitioners by work groups overseen by the Transfusion Medicine Section Coordinating Committee.

Current topics include the following:

- Patient Blood Management and Blood Utilization.
- Blood Recovery and Reinfusion in Surgery and Trauma.
- Pneumatic Tube Delivery Systems: Validation and Use to Transport Blood Components.
- Antibody Identification.
- Laboratory Evaluation of Transfusion Reactions.
- Quality Assessment of Transfusion.

More to come! In development are updated guides to neonatal transfusion, blood warming devices, and prenatal/perinatal immunohematology.

Edited by John R. Wingard, MD; Dennis A. Gastineau, MD; Helen L. Leather, BPharm; Edward L. Snyder, MD, FACP; and Zbigniew M. Szczepiorkowski, MD, PhD, FACP

This second edition offers comprehensive and practical information for health-care providers working in the field of hematopoietic stem cell transplantation (HSCT). It provides relevant information on all areas of HSCT, including indications for transplantation; donor and patient evaluation; conditioning regimens; collection, processing, and characterization of stem cell products; management of immunosuppressive therapy; evaluation and management of the most common complications during HSCT; supportive care management; common procedures; and aspects of follow-up care.

This edition’s content has been reorganized to facilitate finding topics of interest more easily, and the authors have emphasized an educational bent in presenting their material. Each of the topics in the first edition has been revised to ensure the content is up to date. New chapters covering nonmalignant diseases, haploidentical transplants, photopheresis, financial considerations, and iron overload have been added. An accompanying USB flash card gives you the entire book in electronic form plus bonus references and recommended readings.

Topics include:
- General principles.
- Pretransplant concerns.
- Donor selection.
- Graft preparation.
- Infusion and support.
- Complications.

PRINT EDITION: AABB, 2015, spiral bound, 970 pages, ISBN 9781563958762
Product Code: 143425 | Member Price: $156 | Nonmember Price: $192
ONLINE DIGITAL EDITION: AABB, 2015
Product Code: 14342908 | Member Price: $156 | Nonmember Price: $192
BUY BOTH AND SAVE! ONLINE DIGITAL & PRINT EDITIONS
Product Code: 143427 | Member Price: $280 | Nonmember Price: $307

Cellular Therapy: Principles, Methods, and Regulations, 2nd edition

Edited by Ellen M. Areman, MS, SBB(ASCP), and Kathy Loper, MHS, MT(ASCP)

This manual was designed as a compendium of state-of-the-art practices and methods for developing and producing cellular therapy products, and for development and operation of a cellular therapy facility, whether research, translational, or clinical. Applicable to academia, government, and industry, it is also an essential reference for those in regulatory affairs and quality assurance as well as for laboratory technologists, managers, directors, physicians, and scientists. Through descriptions of the rationale and methodology for a variety of cell processing and evaluation techniques, it will assist laboratory staff in developing procedures that comply with applicable regulations and standards. In addition to numerous examples and templates for laboratory document preparation, several methods are provided that include a general overview of the critical steps, materials, and equipment used in each process. Each section has been compiled and edited by a team of experts in the field, with subchapters contributed by specialists in the specific subject matter. With regenerative medicine becoming more integrated into the field, considerations for regenerative therapies are also integrated within each section.

Chapters cover:
- Quality assurance: Including process control, records, audits, equipment, personnel, validation, etc.
- Facilities: Aseptic processing, computer systems, safety, and procedures for facility control.
- Collection of cells: Marrow, apheresis, and cord blood techniques.
- Manufacturing methods: Updated techniques for cell separation, cell expansion, and graft engineering including production of dendritic, mesenchymal, pancreatic islet, iPSC, and other therapeutic cells.
- Handling of processed products: Including shipping and handling; product release; patient preparation, infusion, and reactions; etc.
- Biorepositories: Including operational, regulatory, and ethical considerations for storage of research samples.
- Product characterization: Including assessments of viability, potency, cytotoxicity, contamination, testing, etc, as well as validation of test methods.

Product Code: 153420 | Member Price: $195 | Nonmember Price: $225
DIGITAL EDITION: AABB, 2016
Product Code: 15342008 | Member Price: $215 | Nonmember Price: $245
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Product Code: 153411 | Member Price: $310 | Nonmember Price: $355

"Hematopoietic Stem Cell Transplantation is an essential resource for trainees in transfusion medicine and blood and marrow transplantation. The Handbook concisely covers all aspects of patient care, including pretransplant considerations, peritransplant support, and posttransplant management. There is no other single text that covers this material so well.

—David McKenna, MD"
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.

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.

Product Code: 132087 | Member Price: $38 | Nonmember Price: $46

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

The Circular of Information for the Use of Cellular Therapy Products (CT Circular) 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.

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

+1.866.222.2498
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!

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.

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

Case Studies in Patient Blood Management

Edited by Irwin Gross, MD, and Mary 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.

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


*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 9781563959769
Product Code: 182891 | Member Price: $95 | Nonmember Price: $130

DIGITAL EDITION: AABB Press, 2018
Product Code: 182891DB | AABB Member Price: $95 | Nonmember Price: $130
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.

Product Code: 214064DB | Member Price: FREE | Nonmember Price: FREE


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.

Product Code: 133022 ABB and SABM* Member Price: $50 | Nonmember Price: $70
*Please call +1.866.222.2498 to receive your discount.

PBM Metrics

By Nancy Fredrich, RN, BSN, MM; Richard R. Gammon, MD; Cheryl A. Richards, MT(ASCP)SB; 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?)

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

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).

Product Code: 132075 | Member Price: $95 | Nonmember Price: $120

Transfusion Medicine’s Emerging Positions: Transfusion Safety Officers and Patient Blood Management Coordinators

Edited by Kathleen E. Puca, MD, and Susan T. Johnson, MSTM, MT(ASCP)SB

As health-care organizations become more aware of the value and impact of patient blood management (PBM), there is a growing need for individuals with the knowledge and training required to manage PBM programs and address the full spectrum of transfusion safety. This book is intended to provide guidance on such positions (whether hospital-based or blood-center-based)—the professionals who make good candidates, the scope of their responsibilities, their key role in improving patient outcomes, and the influence they have on various hospital departments. Also included are sample job descriptions and a template for a business case for such positions. A CD-ROM is included, containing job descriptions ready for customization by each facility.

Product Code: 132219 | Member Price: $25 $50 | Nonmember Price: $45 $75

+1.866.222.2498
**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.

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, illus, 60 pages, ISBN 9781563954115
Product Code: 203412 | Member Price: $50 | Nonmember Price: $70
DIGITAL EDITION: AABB, 2020
Product Code: 203412DB | Member Price: $50 | Nonmember Price: $70

**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(CMA)(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.

Product Code: 203002 | Member Price: $40 | Nonmember Price: $55
DIGITAL EDITION: AABB, 2020
Product Code: 203002DB | Member Price: $40 | Nonmember Price: $55

**Hospital Certification in Patient Blood Management**

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.
General


Edited by Claudia S. Cohn, MD, PhD; Meghan Delaney, DO, MPH; Susan T. Johnson, MSTM, MT(ASCP)SBBCM; and Louis M. Katz, MD

AABB’s most popular book is a must-have resource for newcomers and seasoned professionals alike. In its 28 chapters and 100+ methods/appendices, the entire spectrum of blood collection and transfusion is addressed in detail: quality and regulatory issues, donor eligibility, component preparation, blood groups, antigen/antibody testing, clinical transfusion practice (including special patients and situations), and transfusion outcomes. Additionally, this edition captures the late-breaking changes in donor deferrals made by the FDA just before publication. Other updates to the manual include:

• Expanded PBM chapter.
• Critical update to discussions of massive transfusion.
• Emphasis on correct blood group antigen nomenclature.
• Added depth to relevant transfusion-transmitted infections.
• Enhanced discussion of molecular testing.

Also new to this edition is online posting of the methods and appendices. More and more readers are becoming comfortable consulting digital resources; accordingly, the content (methods, appendices) of the USB flash card that was part of the printed edition is now online. An access code is printed in the book for easy, repeated reference and customization. Methods and appendices are also part of the digital purchase.

DIGITAL EDITION: AABB, 2020

Clinical Research: Understanding the Methodology Toolbox

Compiled by Nancy Heddle, MSc, FCSMLS(D)

This book provides guidance on how to design, perform, and publish the clinical research needed to fill some of the voids in the scientific literature. Written by recognized experts, these articles originally appeared as “Clinical Research Focus” contributions to TRANSFUSION. They are gathered here in one convenient, timeless resource to encourage and assist investigators and authors in conducting clinical research, analyzing the data, and reporting on outcomes.

Topics Include:

• Clinical research study design.
• Understanding summary measures.
• Systematic reviews and meta-analyses.
• Bias and confounding.
• Qualitative research.
• Writing and reviewing manuscripts.

Product Code: 123069 | Member Price: $42 | Nonmember Price: $58

How Do I . . . .?
(Ten Years of Practical Advice)

Edited by Beth Shaz, MD

Readers of TRANSFUSION report that their favorite nonresearch content in the journal is the “How Do I . . ?” series. This compilation brings together a decade of articles from the series, which began in 2006. In this convenient volume, experienced colleagues describe how they manage nearly 60 different situations from the laboratory, surgical suite, collection facility, and clinical care areas.

Topics include:

• Donor management.
• Transfusion services.
• Transfusion reactions.
• Patient blood management.
• Molecular testing.
• Apheresis services.
• Neonates/pediatrics.
• Cellular therapy.

Product Code: 153927 | Member Price: $110 | Nonmember Price: $130

“Every blood banker can tell you the color of the Technical Manual edition they studied for their exams. The Technical Manual is an amazing book. I use it all the time and it’s the main resource I recommend to pathology residents and laboratory science students. There’s so much good stuff in here; you almost don’t know where to start!”

—Joe Chaffin, MD
Collected Questions and Answers, 12th edition

By Mark E. Brecher, MD, and Jay S. Raval, MD

Many of the most perplexing issues in patient blood management, transfusion medicine, and cellular therapy fall into a “grey” area where regulatory documents or comprehensive textbooks cannot offer clear-cut guidance. The authors of this volume probed the far corners of the medical literature to bring you answers to questions submitted by thoughtful members, posed by curious staff, and collected by the authors themselves in everyday situations. This edition presents answers (with references—Internet links where possible) to questions on more than 100 topics relevant in today’s laboratory and clinical environments.

PRINT EDITION: AABB, 2018, soft cover, 146 pages, ISBN 9781563959844
Product Code: 183106 | Member Price: $60 | Nonmember Price: $80

Transfusion Therapy: Clinical Principles and Practice, 4th edition

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

Foreword by Paul D. Mintz, MD

In the preface to the third edition, Dr. Paul Mintz wrote, “It is tempting to wonder what will (and will not) be included in the fourth edition.” No need to wonder any longer. The editorial team for this edition has reorganized and refreshed the content to reflect the many changes in the transfusion medicine landscape in the intervening years. Chapter authors have emphasized evidence-based recommendations wherever possible to aid both primary and consultative clinicians.

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.

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

The editors and authors of this fourth edition have substantially updated the content while maintaining the original purpose of the publication—to fill a niche between handbooks and weightier compendia. The availability of a manageable publication that conveys key concepts and practical information across a broad range of subjects is more useful than ever.

—Paul D. Mintz, MD
Components


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

This Handbook has been thoroughly reviewed and updated to reflect the most recent trends in transfusion medicine practice. The compact volume, which fits conveniently in a lab coat pocket, is packed with comprehensive discussions of blood components, plasma derivatives, transfusion practices, hemostatic disorders, and adverse effects of transfusion, as well as succinct overviews of therapeutic apheresis, massive transfusion, and patient blood management essentials. References for each topic are extensive. New content on:
- Liquid plasma, pathogen-inactivated plasma, factor concentrates.
- RhIG dosing.
- Pre-hospital transfusion.
- Massive hemorrhage, including use of whole blood.
- See online description for more!

Product Code: 203104 | Member Price: $50 | Nonmember Price: $75


By the contributing editors to 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 9781563954092
Product Code: 203109 | Member Price: $45 | Nonmember Price: $55

The AABB Handbook Series

For close to 40 years, the books in the AABB 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:

Currently in development is a new addition to the series on coagulation and the long-awaited revision of Cellular Therapy: A Physician’s Handbook, originally released in 2004. Hospital Tissue Management: A Practitioner’s Handbook is now out of print.
AABB Data Cards

AABB data cards continue to provide an immediate resource carried neatly in a lab coat pocket. No worries about dropping it, Internet access, or cost. These tried-and-true cards have helped thousands of technologists, nurses, and physicians access the most critical information they need without delay. The laminated cards are durable and can be cleaned with a quick wipe.

AABB Data cards (sets of 10) include the following:
- Massive Transfusion Protocol Data Card (see page 22)
- RBC Transfusion Data Card (this page)
- Prophylactic Platelet Transfusion Data Card (this page)
- Blood Transfusion therapy Data Card (see page 15)
- Pediatric Hemotherapy Data Card (see page 21)

In addition, the book Massive Transfusion (page 22) includes a single MTP data card giving not only protocol activation steps but also what action to take while the massive transfusion protocol is ongoing.
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)SBBCM; 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.

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)SBBCM; Janis R. Hamilton, MS, MT(ASCP)SBB; and Sally V. Rudmann, PhD, MT(ASCP)SBB

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.

Product Code: 212190 | Member Price: $140 | Nonmember Price: $190
DIGITAL EDITION: AABB Press, 2021
Product Code: 212190DB | Member Price: $140 | Nonmember Price: $190

Judd’s Methods in Immunohematology, 4th edition

By W. John Judd, FIBMS, MIbIol; Susan T. Johnson, MSTM, MT(ASCP)SBBCM; 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.

Product code: 212190 | Member Price: $140 | Nonmember Price: $190
DIGITAL EDITION: AABB Press, 2021
Product code: 212190DB | Member Price: $140 | Nonmember Price: $190
Introduction to Molecular Immunohematology

By Sunitha Vege, MS; Michael Gannett, MLS(ASCP)CMSBBCM; and Meghan Delaney, DO, MPH

Foreword by Tony 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.

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: $140

Relationship Testing 1.0

By Robert E. Wenk, MD, MS\(h_{GEN}\)

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.

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.

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

www.aabb.org/store

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

By Susan T. Johnson, MSTM, MT(ASCP)SBBCM and Michael J. Schanen, MLSCM(ASCP)SBBCM

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 allo-antibodies 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.

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

AABB Guide to Antibody Identification

Wen Lu, MD; Tony S. Casina, MT(ASCP)SBB; Susan T. Johnson, MSTM, MT(ASCP)SBBCM; Heather Jorissen, MLS(ASCP)SBB; Jennifer E. O’Connor, MSTM, MLS(ASCP)CM, SBBCM; and Heather M. Smetana, MLS(ASCP)CM, SBBCM 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.

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

“Just wanted to say I absolutely LOVE LOVE LOVE the cover of the AABB recipe book!!!! Can’t wait to look over all the recipes now. Congrats to Sue and Mike on this book! I know how much time and effort went into it.

—Natalie Phillips, MLSCM(ASCP)SBBCM

“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

+1.866.222.2498
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.

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

DIGITAL EDITION: AABB, 2021
Product Code: 212160DB | Member Price: $155 | Nonmember Price: $195

SEE ALSO

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.

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

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.
Special Patients/Situations


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

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 Nick 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 9781563954061

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


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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 grass roots 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.

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.

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

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.

Product Code: 192318 | Member Price: $84 | Nonmember Price: $122
DIGITAL EDITION: AABB Press, 2019
Product Code: 192318DB | Member Price: $84 | Nonmember Price: $122
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.

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


Edited by Joseph Schwartz, MD, and Nick 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, soft cover, illus, 349 pages, ISBN 9781563859974
Product Code: 193025 | AABB and ASFA* Member Price: $75 | Nonmember Price: $110
*Please call +1.866.222.2498 to receive your discount.

+1.866.222.2498 23
Screening Blood Donors with the Donor History Questionnaire

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

This long-awaited revision of Screening Blood Donors (2007) captures the significant changes and research developments that have taken place regarding use of the donor history questionnaire to access donor eligibility. 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. Chapters:

• Donors with cardiovascular disease, impaired hemostatis, or a history of cancer.
• Medications and vaccinations.
• Donors with hereditary hemochromatosis.
• HIV risk factors and hepatitis risk factors.
• Travel history.
• PDI management and counseling.
• Donor reentry.

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


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.

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

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]
• On the Front Lines: Products and Delivery. [www.aabb.org/frontlines2]
• On the Front Lines: Recruitment and Operations [www.aabb.org/frontlines3]
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 Schmidt, 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.

Product Code: 103055DB | Member Price: FREE | Nonmember Price: FREE

AABB Billing Guide for Blood Products and Related Services

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, physician 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.

Product Code: 213055DB | Member Price: FREE | Nonmember Price: FREE

AABB eCasts

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

* 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.
Transfusion Medicine: Self-Assessment and Review, 3rd edition

By Justin D. Kreuter, MD, and Douglas P. Blackall, MD

Developed to be used with the Technical Manual, this book helps students and trainees learn and review concepts in an examination format. A total of 15 chapters contain approximately 40 multiple-choice questions each—a 25% increase from the 2nd edition. The chapters are arranged by subject matter, from donation to transfusion reactions. Detailed explanations are found separately at the end of each chapter, providing a realistic test simulation.

This edition incorporates the latest information and expanded coverage of pathogen reduction, patient blood management, and cellular therapies. Transfusion Medicine Self-Assessment and Review is the perfect classroom and self-study aid.

Product Code: 172040 | Member Price: $105 | Nonmember Price: $130

DIGITAL EDITION: AABB Press, 2017
Product Code: 172040DB | Member Price: $105 | Nonmember Price: $130

Concise Guide to Transfusion Medicine

By Minh-Ha Tran, DO; Marissa Li, MD; Suchitra Pandey, MD; and Erica Antell, MT(ASCP)SBB

All professionals who hold American Board of Pathology certification in transfusion medicine/blood banking are required to take a 10-year recertification examination. Residents and transfusion medicine fellows must also prepare for initial certification. Non-transfusion-trained professionals need to bolster their knowledge when they are called to provide coverage for the transfusion service. Concise Guide to Transfusion Medicine was designed to support all professionals for whom continuing education is critical throughout their careers.

Presented in a graphic format rather than text, the 28 sections are distilled from major AABB texts, including the Technical Manual, and provide a portable, on-the-go reference.

Product Code: 203045 | Member Price: $35 | Nonmember Price: $50

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

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

By Julie Katz Karp, MD; Mary 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.

Product Code: 203045 | Member Price: $35 | Nonmember Price: $50

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

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