



2026 Essentials

September 23, 2026, 1-2PM ET (12-1PM CT)

1.0 Contact Hour



Blood Component Manufacturing, Quality Control and Everything In Between

Adele Seywerd, MD, Vice President and Medical Director, NYBCe at Innovative Blood Resources

Objectives

1. Describe the different therapeutic components that can be derived from blood.
2. Discuss the testing performed on donor blood before it is acceptable for transfusion, as well as understand why platelets have additional precautionary controls in place.
3. Discuss the role and importance of quality control in blood products.

Level of Instruction

Basic

September 30, 2026, 1-2PM ET (12-1PM CT)

1.0 Contact Hour



Pretransfusion Testing and Antibody Identification

Eric Hebel, MLS(ASCP)^{CM}, IRL/Genomics Education Specialist, NYBCe at Memorial Blood Centers

Objectives

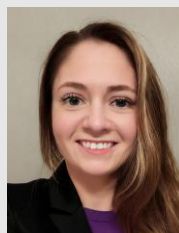
1. Explain sample requirements, procedures for pretransfusion testing, and the reason why each test is performed.
2. Discuss how to rule-out alloantibodies to common red blood cell antigens.
3. Evaluate pretransfusion testing results to determine next steps for patients requiring red blood cells for transfusion.

Level of Instruction

Basic

October 7, 2026, 1-2PM ET (12-1PM CT)

1.0 Contact Hour



Common Blood Groups

Alexandra Fugate, MLS(ASCP)^{CM} SBB^{CM}, Immunohematologist Lead, NYBCe at Memorial Blood Centers

Objectives

1. Describe the characteristics of the common blood groups' antigens and their corresponding antibodies.
2. Assess the clinical significance of antibodies to the common blood group antigens.
3. Discuss transfusion recommendations when handling a sample with an antibody to a common blood group antigen.

Level of Instruction

Basic

October 14, 2026, 1-2PM ET (12-1PM CT)

1.0 Contact Hour



Navigating Perinatal Immunohematology: From Prenatal Screening to Neonatal Workups

Lynsi Rahorst, MHPE, MLS(ASCP)SBB^{CM}, Director of Education and Training, NYBCe

Objectives

1. Discuss laboratory considerations for antibody testing and intrauterine transfusion during pregnancy.
2. Differentiate the rosette test and the Kleihauer-Betke test for determining Rh immune globulin dosing, including assay limitations.
3. Describe how pre-transfusion testing of newborns differs from adult testing.

Level of Instruction

Basic

For more information, visit: nybce.org/webinar



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2026 Essentials

October 28, 2026, 1-2PM ET (12-1PM CT)

1.0 Contact Hour



The Basics of Genetic Testing in Transfusion Medicine

Mohammad Alam, BS, Molecular Technologist, NYBCe at New York Blood Center

Objectives

1. Discuss the role of genetic testing in transfusion medicine.
2. Discuss the different methodologies used to predict blood group antigen expression from DNA.
3. Discuss case studies in which blood group genotyping was necessary to make transfusion decisions.

Level of Instruction

Intermediate

November 4, 2026, 1-2PM ET (12-1PM CT)

1.0 Contact Hour



Clinical Use of Blood and Blood Components

Sara Rutter, MD, Director of Clinical Pathology, Section Director of Blood Bank and Coagulation, Nebraska Methodist Health System

Objectives

1. Describe the attributes of available blood products/components.
2. Discuss possible product modifications and their indications.
3. Apply knowledge of blood products to clinical scenarios.

Level of Instruction

Basic

November 11, 2026, 1-2PM ET (12-1PM CT)

1.0 Contact Hour



Overview of Platelet Transfusion

Jennifer Zepf, DO, Transfusion Medicine Fellow, New York Blood Center

Objectives

1. Describe the published AABB platelet transfusion guidelines.
2. Compare and contrast the rationale for using HLA-matched, crossmatched, fresh, ABO matched platelets or platelet drips in the management of platelet refractoriness.
3. Evaluate specialized clinical situations that require alternative approaches to platelet management.

Level of Instruction

Basic

November 18, 2026, 1-2PM ET (12-1PM CT)

1.0 Contact Hour



Transfusion Reactions

Nalan Yurtsever, MD, Assistant Professor of Laboratory Medicine, Yale University

Objectives

1. Recognize the common types of transfusion reactions and their key clinical signs and symptoms.
2. Differentiate life-threatening transfusion reactions from more benign reactions using clinical presentation and timing.
3. Describe the immediate evaluation and initial management of suspected transfusion reaction.

Level of Instruction

Basic

For more information, visit: nybce.org/webinar



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