



Essentials: Block 2 - Immunohematology and Blood Group Genomics | 2025

October 8, 2025, 1-2:30 ET (12-1:30 CT)

1.5 Contact Hours



Pretransfusion Testing

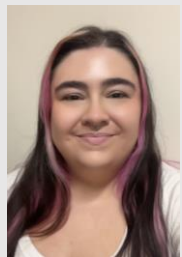
Lynsi Rahorst, MHPE, MLS(ASCP)SBB^{CM}, Manager, Education & Training, IRL/Genomics Labs, NYBCe

Objectives

1. Discuss antibody isotypes and their detection in pretransfusion testing.
2. List and describe routine tests and other blood bank assays.
3. Compare and contrast the common blood bank methodologies: tube testing, gel testing & solid phase testing.

Level of Instruction

Basic



Antibody Identification

Sarah White, MLS(ASCP)^{CM}SBB^{CM}, IRL Supervisor, NYBCe at Rhode Island Blood Center

Objectives

1. Describe the testing performed to detect and identify "unexpected antibodies."
2. Discuss how the results can provide clues during the antibody investigation.
3. Perform rule outs and interpret results of antibody panels.

Level of Instruction

Intermediate

October 15, 2025, 1-2:30 ET (12-1:30 CT)

1.5 Contact Hours



Common Blood Groups

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

Objectives

1. Describe the characteristics of the common blood group 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

For more information, including a link to register, visit: nybce.org/webinar



New York Blood Center Enterprises is approved as a provider of continuing education programs in the clinical laboratory sciences by the ASCLS P.A.C.E. Program.





Essentials: Block 2 - Immunohematology and Blood Group Genomics | 2025



Introduction to Blood Group Genotyping

Brad Pfaltzgraff, MS, MLS(ASCP)^{CM}MBC^{CM}, Supervisor, NYBCe at the National Center for Blood Group Genomics

Objectives

1. Discuss how the analysis of blood group genes can predict the expression of red blood cell antigens.
2. Describe methods used in blood group genotyping.
3. Describe general applications of blood group genotyping in transfusion medicine.

Level of Instruction

Intermediate

October 22, 2025, 1-2:30 ET (12-1:30 CT)

1.5 Contact Hours



Positive DATs and Eluates

Chloe Homich, MLS(ASCP)^{CM}SBB^{CM}, CQA(ASQ), Manager, Immunohematology Reference Lab, NYBCe at Blood Bank of Delmarva

Objectives

1. Identify potential causes of a positive Direct Antiglobulin Test (DAT).
2. Discuss conditions where performing an eluate is indicated.
3. Discuss reactivity patterns that may be observed in eluates (allo- vs. autoantibodies).

Level of Instruction

Intermediate



Anti-RBC Antibodies in Transfusion Medicine: from Mechanisms to Bedside Management

Ingrid Perez-Alvarez, MD, Medical Director, Division of Transfusion Medicine, Cedars-Sinai Medical Center

Objectives

1. Describe how red cell antibodies form and why they matter.
2. Identify common clinical problems caused by these antibodies in transfusion practice.
3. Apply case-based approaches to safely manage patients with red cell antibodies.

Level of Instruction

Intermediate

For more information, including a link to register, visit: nybce.org/webinar



New York Blood Center Enterprises is approved as a provider of continuing education programs in the clinical laboratory sciences by the ASCLS P.A.C.E. Program.

