



Essentials: Block 3 - Immunoematology and Blood Group Genotyping | 2024

October 29, 2024, 1-2:30 ET (12-1:30 CT)

1.5 Contact Hours



Pretransfusion Testing

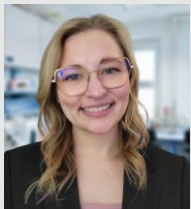
Eric Hebel, MLS(ASCP)^{CM}, IRL/Genomics Education Specialist, NYBCe at Innovative Blood Resources

Objectives

1. Explain the sample requirements, procedures for pretransfusion testing, and the reason why each test is performed.
2. Discuss the importance of compatibility testing.
3. Identify possible causes of incompatibility when performing compatibility testing.

Level of Instruction

Basic



Antibody Identification and Case Studies

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

Objectives

1. Describe testing performed to detect and identify unexpected antibodies.
2. Discuss how various results can assist in an antibody investigation.
3. Perform rule-outs and interpret results of antibody identification panels.

Level of Instruction

Intermediate

November 5, 2024, 1-2:30 ET (12-1:30 CT)

1.5 Contact Hours



Understanding Blood Group Discrepancies

Megan Dupont, MLS(ASCP)^{CM}SBB^{CM}, Lead Technologist, Immunoematology Reference Laboratory, NYBCe at Community Blood Center

Objectives

1. Identify the common causes of ABO discrepancies and summarize methods for resolution.
2. Discuss causes of antigen typing discrepancies in other blood group systems.
3. Discuss case studies involving antigen typing discrepancies and their resolution.

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.





Supplemental Techniques of the IRL

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

Objectives

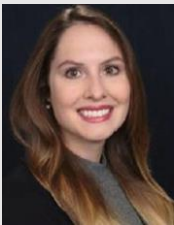
1. Describe enzyme techniques and how they can assist with antibody identifications.
2. Discuss how titration studies are performed and their use in monitoring Hemolytic Disease of the Fetus and Newborn (HDFN).
3. Explain techniques used to circumvent serologic issues when handling samples with cold autoantibody.

Level of Instruction

Intermediate

November 12, 2024, 1-2:30 ET (12-1:30 CT)

1.5 Contact Hours



Transfusion Considerations in Patients with Antibodies

Tayler Van Denakker, MD, Assistant Professor of Pathology/Assistant Director of Blood Bank and Transfusion Services, Mount Sinai Hospital

Objectives

1. Discuss how and why different patients make antibodies.
2. Discuss how to transfuse patients with antibodies in various clinical scenarios.
3. Describe the unique transfusion considerations in sickle cell disease.

Level of Instruction

Intermediate



Blood Group Genotyping

June Joseph Fuyertes, MS, MLS(ASCP)^{CM}, Molecular Technologist, New York Blood Center

Objectives

1. Name situations where blood group genotyping is necessary and/or beneficial.
2. Describe DNA methods that are used to predict blood group antigen expression.
3. Explain situations where serology results and predicted genotype do not agree.

Level of Instruction

Intermediate

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