

“Essentials” Track: Block 2 Immunoematology/Genomics



February 8, 2022 3-4:30 EST (2-3:30 CST)	1.5 Contact Hours
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Pre-Transfusion Testing



Megan Dupont, MLS(ASCP)^{CM}, SBB^{CM} IRL Lead Technologist, Community Blood Center of Kansas City

Objectives:

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

Level of Instruction: Basic

Common Blood Groups



Chloe Thompson, MLS(ASCP)^{CM}, CQA(ASQ) Quality Auditor & Regulatory Liaison, Blood Bank of Delmarva

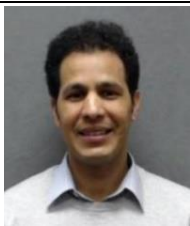
Objectives:

1. Define blood group system and list several common blood group systems.
2. Describe characteristics of common blood group system antigens and corresponding antibodies.
3. Evaluate the clinical significance of different antibodies to common blood groups.

Level of Instruction: Intermediate

February 15, 2022 3-4:30 EST (2-3:30 CST)	1.5 Contact Hours
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Basic Antibody Identification



Toufik Tahiri, MS, MLS(ASCP)SBB, Immunoematologist, NYBC

Objectives:

1. Describe the testing performed to detect unexpected antibodies.
2. Discuss some of the clues that help in antibody identification.
3. Perform rule outs and interpret results of antibody panels.

Level of Instruction: Basic

Antibody Identification Case Studies



Eric Hebel, MLS(ASCP), Serologist II, Memorial Blood Centers

Objectives:





1. Describe serologic testing to identify multiple antibodies to common RBC antigens.
2. Discuss the preparation and testing of eluates and interpret results.
3. Describe strategies employed in the identification of an antibody to a high prevalence antigen.

Level of Instruction: Intermediate



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February 22, 2022 3-4:30 EST (2-3:30 CST)		1.5 Contact Hours
Other Serologic Techniques		
	Connie Cai, MLS(ASCP), Immunoematologist, NYBC	
	Objectives: <ol style="list-style-type: none"> 1. Describe the use of adsorptions in serologic workups of autoantibodies. 2. Resolve serologic cases using neutralization/inhibition of antibodies. 3. Discuss different applications for antibody titration in the blood bank. 	
	Level of Instruction: Intermediate	
Uncommon Blood Groups		
	Andrew Rossin, MLS(ASCP), Immunoematologist, NYBC	
	Objectives: <ol style="list-style-type: none"> 1. Discuss serologic reactivity that may be referred to as high titer, low avidity. 2. Describe characteristics of different blood group antigens and their corresponding antibodies. 3. Determine clinical significance of antibodies and provide transfusion recommendations for patients with antibodies. 	
	Level of Instruction: Intermediate	
March 1, 2022 3-4:30 EST (2-3:30 CST)		1.5 Contact Hours
Common Applications of Blood Group Genomics in Transfusion Medicine		
	Sunitha Vege, MS, Technical Director, Genomics Laboratory, NYBC	
	Objectives: <ol style="list-style-type: none"> 1. Describe common methods utilized in blood group genotyping. 2. Discuss scenarios where the genotype and serology results may not agree. 3. Describe cases where genotyping was used to resolve complex cases. 	
	Level of Instruction: Intermediate	
Clinical Decision Making: Red Blood Cell Antibodies		
	Suzanne Arinsburg, DO, Director Blood Bank and Transfusion Medicine, Icahn School of Medicine at Mount Sinai	
	Objectives: <ol style="list-style-type: none"> 1. Describe our current understanding of the clinical impact of incompatible red cell transfusions. 2. Discuss guidelines for the use of Rh positive and Rh negative donor units in emergent situations. 3. Describe strategies for providing the best care to acutely anemic patients with known antibodies across multiple clinical situations. 	
	Level of Instruction: Intermediate	



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