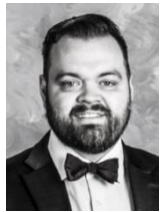


“Beyond Essentials” Track: Block 2 Immunohematology/Genomics

February 9, 2022 3-4:00 EST (2-3:00 CST)	1.0 Contact Hours
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Test Method Comparison



Shay Jones, MLS(ASCP)^{CM}, BB^{CM} Immunohematology Technologist/Education Coordinator, Community Blood Center of Kansas City

Objectives:

1. Discuss advantages, disadvantages and special considerations for each of the three common serologic methodologies: gel, solid phase and tube testing.
2. Describe case scenarios when discrepant results may be observed if utilizing different methodologies.
3. Discuss how to interpret results and make appropriate transfusion recommendations in these cases.

Level of Instruction: Intermediate

February 16, 2022 3-4:00 EST (2-3:00 CST)	1.0 Contact Hours
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How Hard Is It to Find Antigen-Negative Blood?



Christine Lomas-Francis, MSc, FIBMS Technical Director, Immunohematology, New York Blood Center

Objectives:

1. Discuss antigen prevalence in different populations and how to calculate the average number of blood donor samples to screen when searching for antigen-negative units.
2. Describe different strategies employed to locate rare blood units.
3. Discuss cases that involve a request for blood with an uncommon antigen combination and collaboration between hospitals and blood centers to ensure timely provision of needed units.

Level of Instruction: Intermediate

February 23, 2022 3-4:30 EST (2-3:30 CST)	1.5 Contact Hours
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Serology/Molecular Case Studies



Julie Kirkegaard, MT(ASCP)SBB, Technical Supervisor, Immunohematology Reference Lab, Community Blood Center of Kansas City
Anna Burgos, MT(ASCP)SBB, Immunohematology Supervisor, New York Blood Center
Amanda Smith, MLS(ASCP)^{CM}, Immunohematologist, New York Blood Center

Objectives:

1. List some benefits of obtaining a patient’s genotype during a serologic investigation.
2. List antigens in the Dombrock blood group system and describe the reactivity and clinical significance of Dombrock antibodies.
3. Describe challenges associated with antibody identification and selecting units for transfusion in a case of an antibody to a high prevalence Rh antigen.

Level of Instruction: Intermediate/Advanced

March 2, 2022 3-4:00 EST (2-3:00 CST)	1.0 Contact Hours
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Genotyping of Donors



Aaron Gottschalk, PhD, Technical Manager, Genomics, Community Blood Center of Kansas City

Objectives:

1. Discuss considerations for developing algorithms for effective genotyping of blood donors.
2. Describe advantages and disadvantages of different available platforms for genotyping donors and discuss the future of donor genotyping.
3. Describe special circumstances when additional molecular testing of donors may be warranted beyond licensed assays.

Level of Instruction: Intermediate



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