BloodCenter of Wisconsin's Red Blood Cell Genotyping Services

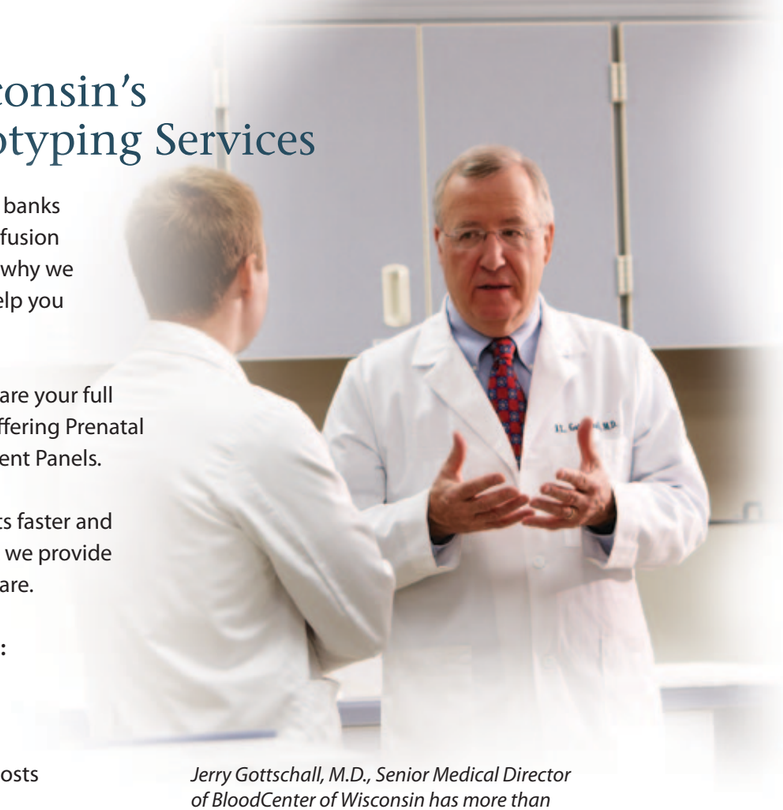
For more than 50 years, we've helped blood banks and clinicians solve their most difficult transfusion problems. We know your challenges. That's why we designed our RBC genotyping services to help you meet those challenges every day.

BloodCenter of Wisconsin's Diagnostic Labs are your full spectrum partner in Red Cell Genotyping, offering Prenatal Diagnostics, Donor Screening, and now Patient Panels.

BloodCenter of Wisconsin can provide results faster and more cost effectively. But more importantly, we provide you confidence in your results and patient care.

Our RBC genotyping services will help you:

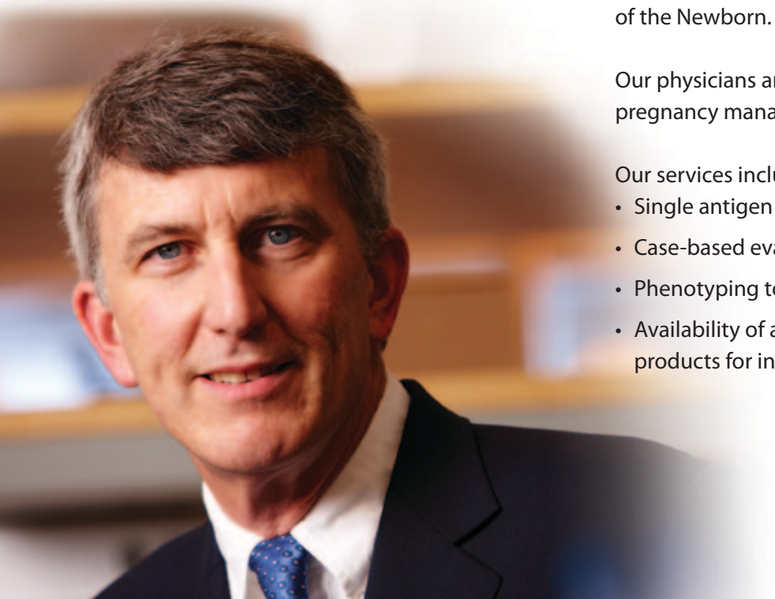
- Improve transfusion patient care
- Reduce red cell alloimmunization
- Enhance red cell utilization
- Potentially reduce donor base screening costs



Jerry Gottschall, M.D., Senior Medical Director of BloodCenter of Wisconsin has more than 25 years of experience in the field of transfusion medicine.

Available Prenatal Tests:

C, c, E, e, M, S, s, K, k, Fy^{a}, Fy^{b}, Jk^{a}, Jk^{b}, RhD, RhD Zygosity



Prenatal Diagnostics

BloodCenter of Wisconsin is a pioneer in prenatal red blood cell genotyping. We began offering this testing in 1995, and have over 16 years of clinical expertise in Hemolytic Disease of the Newborn.

Our physicians are always available to consult on high-risk pregnancy management, including intrauterine transfusions.

Our services include:

- Single antigen system testing
- Case-based evaluations of Mother, Father, and Fetus
- Phenotyping to rule in/out variant alleles
- Availability of antigen-negative and CMV-negative red cell products for intrauterine transfusions

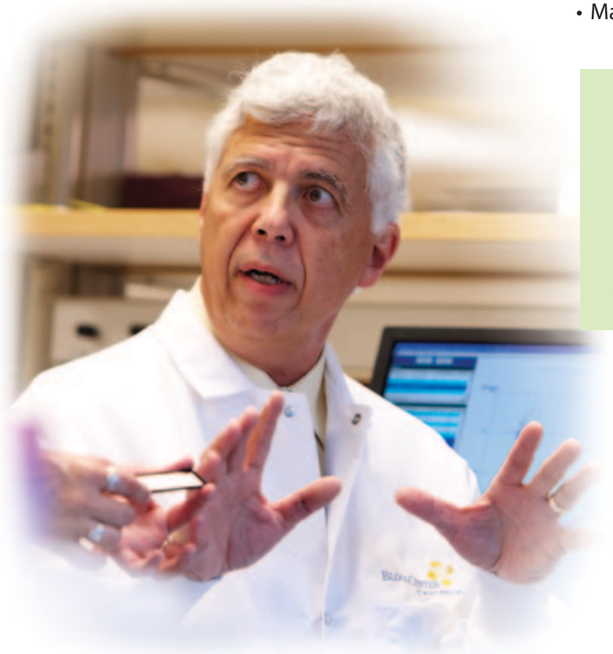
Dan Bellissimo, Ph.D., Director of BloodCenter's Molecular Diagnostics Laboratory. He is a board certified molecular geneticist and oversees prenatal testing.

Patient Genotyping Panels

BloodCenter of Wisconsin's patient RBC genotyping panels can provide you the accuracy and confidence to ensure the highest quality of transfusion patient care.

Our genotyping service allows you to characterize the alleles associated with clinically significant blood group antigens prior to or during treatment. These panels are especially beneficial for patients presenting with warm autoantibodies, positive DAT's, and those who have been recently transfused. Our panels fulfill all the requirements needed in today's transfusion service:

- Clinically significant antigens
- Rapid turnaround time of less than 72 hours
- Market sensitive pricing



Greg Denomme, Ph.D., Director of BloodCenter's Immunohematology Reference Laboratory. His exceptional ability to help solve difficult transfusion-related problems is built on more than 25 years of immunohematology experience.

Common Panel:

C, c, E, e, M, N, S, s, K, k, Fy^{a}, Fy^{b}, Jk^{a}, Jk^{b}, Js^{a}, Js^{b}, Do^{a}, Do^{b}, Lu^{a}, Lu^{b}, Kp^{a}, Kp^{b}, U, Uvar

Rh Variant Panel:

C, c, E, e, (including ce^{s}), hr^{S}, hr^{B}, altered C (r'^{S}), V, VS, Crawford (Rh43)

Donor Screening

BloodCenter of Wisconsin's donor red cell genotyping can help you build a well characterized donor pool so you can meet the transfusion needs of future patients.

Our service covers common and rare antigens, including those found in patients with sickle cell disease and thalassemia.

In comparison to serological antigen typing, BloodCenter's high-throughput approach provides cost savings and exceptional patient care.

Our service will help you:

- Potentially reduce donor RBC antigen screening costs
- Quickly identify antigen negative units
- Provide excellent patient care

Common, Clinically Significant:

C, c, E, e, M, N, S, s, K, k, Fy^{a}, Fy^{b}, Fyx [ie. Fybw+], Jk^{a}, Jk^{b}, Lu^{a}, Lu^{b}, Js^{a}, Js^{b}, Kp^{a}, Kp^{b}, Do^{a}, Do^{b}

Rare and Uncommon:

V, VS, hr^{S}, hr^{B}, r'^{S}, Di^{a}, Di^{b}, Jo^{a}, Hy, Yt^{a}, Yt^{b}, Cr^{a}, Co^{a}, Co^{b}, Sc1, Sc2, Lu8, Lu14

Diagnostic Laboratories
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