

Immunohematology



NYBCe is an industry leader in investigating and addressing serological interference and challenges, through specialized serological testing methods and industry experts not available to most laboratories. NYBCe's renowned laboratory experts are constantly working to identify new antigens and novel alleles at the DNA level. Over our 60-year history, our experts have and will continue to publish research articles and conduct research to discover new information that directly improves the immunohematology industry.

Hospital blood banks, blood centers, transfusion and transplantation centers, biotechnology and pharmaceutical corporations need a highly specialized reference laboratory for immunohematology and genomic testing. These complex cases often require the interpretation, resolution, and access to a wellcharacterized library of RBCs and reagents or require rare blood cells for patient transfusion needs.





NYCe's Immunohematology laboratories licensed by the Food & Drug Administration (FDA), Clinical Laboratory Improvement Amendments (CLIA) approved, along with Delaware, Missouri, Minnesota, Rhode Island, and New York State Departments of Health (DOH).



We are also accredited by the Association for the Advancement of Blood & Biotherapies (AABB), as well as a partner of AABB's American Rare Donor Program for our extensive inventory of liquid and frozen units to support patients who need antigen negative units for transtusion.

Choosing NYBCe for your immunohematology testing needs gives you an unmatched expertise that can help you navigate and address complex transfusion cases.







Clinical Indications

Investigation of:

- Antibodies to red cell antigens including high and low-prevalence antigens
- Warm autoantibodies
- Cold autoantibodies
- Transfusion reactions
- Hemolytic disease of the fetus and newborn
- Drug-induced hemolytic anemia
- Polyagglutination
- Samples from patients receiving monoclonal antibody therapies (CD38, CD47)
- Blood group discrepancy resolution with ABO and RhD, along with other tests (please contact our lab staff for more details).

Immunohematology Tests

- Sickle Cell Screening
- Elution
- Antigen phenotyping
- Adsorptions autologous and allogeneic
- HDN evaluation (mother and infant)
- Neutralization with soluble blood group
- Substances
- Antibody titration including prenatal and cold agglutinin
- Donath-Landsteiner
- Thermal Amplitude Test (30C Albumin Test)
- Platelet Antibody Screen and Crossmatch

Immunohematology Sample Requirements

Two 7 mL EDTA whole blood samples or one 1 EDTA and 1 clotted sample; no serum separators.

• For Specialty tests such as Donath Landsteiner or Thermal Amplitude Tests, please call the Immunohematology Laboratory for guidance.

















