

## National Reference Laboratory for Specialized Testing

### Diagnostic testing for:

- Neonatal alloimmune thrombocytopenia (NAIT)
- Post-transfusion purpura (PTP)
- Refractoriness to platelet transfusion
- Heparin-induced thrombocytopenia (HIT)
- Alloimmune idiopathic thrombocytopenia purpura (AITP)

### Medical consultation available

### Test methods:

- GTI systems tests
  - detection of glycoprotein-specific platelet antibodies
  - detection of heparin-induced antibodies (PF4 ELISA)
- Platelet suspension immunofluorescence test (PSIFT)
- Solid-phase red cell adherence (SPRCA) assay
- Molecular analysis for HPA-1a/1b

### FOR FURTHER INFORMATION, CONTACT:

**Platelet Serology Laboratory** (215) 451-4205

Dexter Facey (215) 451-2545  
Dexter.Facey@redcross.org



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**American Red Cross Biomedical Services**  
**Musser Blood Center**  
700 Spring Garden Street  
Philadelphia, PA 19123-3594

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## National Neutrophil Serology Reference Laboratory

Our laboratory specializes in granulocyte antibody detection and granulocyte antigen typing.

### Indications for granulocyte serology testing include:

- Alloimmune neonatal neutropenia (ANN)
- Autoimmune neutropenia (AIN)
- Transfusion-related acute lung injury (TRALI)

### Methodologies employed:

- Granulocyte agglutination (GA)
- Granulocyte immunofluorescence by flow cytometry (GIF)
- Monoclonal antibody immobilization of neutrophil antigens (MAINA)

### TRALI investigations also include:

- HLA (PRA) Class I and Class II antibody detection

### FOR FURTHER INFORMATION, CONTACT:

**Neutrophil Serology Laboratory** (651) 291-6797

Randy Schuller (651) 291-6758  
Randy.Schuller@redcross.org



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**American Red Cross Biomedical Services**  
**Neutrophil Serology Laboratory**  
100 South Robert Street  
St. Paul, MN 55107

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## Molecular Immunohematology Testing

### Internationally recognized, CLIA-licensed and AABB accredited molecular immunohematology lab offering:

- Tailored testing solutions with low, medium, and high resolution to best suit your patient-specific needs
- Skilled lab professionals at the forefront of molecular research and testing ready to provide expert consultation
- Convenient, single point ordering for service requests and electronic reporting
- FDA-approved tests coupled with lab-developed assays to increase the accuracy and sensitivity of the services
- Tests include
  - RBC phenotype prediction using Human Erythrocyte Antigen (HEA) panel
  - *RHD* genotyping for detection of RhD variants (including weak, partial, and D<sub>el</sub>)
  - *RHCE* genotyping to predict C, c, E, e, V, VS, hr<sup>B</sup>, and hr<sup>S</sup> antigen expression
  - ABO genotyping
  - Variant detection in other blood group systems and related genes (FY, MNS, LU, JK, YT, XK, KLF1)
  - HPA genotyping (HPA-1, 2, 3, 4, 5, 6, 9, 15) for neonatal alloimmune thrombocytopenia

**American Red Cross Biomedical Services**  
**National Molecular Laboratory**  
700 Spring Garden Street  
Philadelphia, PA 19123-3594

(215) 451-4917

[nationalmolecular@redcross.org](mailto:nationalmolecular@redcross.org)



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## Reference and Consultation Services

### Antibody identification and problem resolution

HLA-A, B, C, and DR typing

HLA-disease association typing

Paternity testing/DNA

#### FOR INFORMATION, CONTACT:

Zahra Mehdizadehkashi

at (503) 280-0210

or write to:

#### Tissue Typing Laboratory

American Red Cross Biomedical Services

Pacific Northwest Region

3131 North Vancouver

Portland, OR 97227



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## IgA Testing

### IgA testing is available to do the following:

- Identify IgA-deficient patients
- Investigate anaphylactic reactions
- Confirm IgA-deficient donors

Our ELISA for IgA detects protein to 0.05 mg/dL.

#### FOR ADDITIONAL INFORMATION CONTACT:

Dexter Facey (215) 451-2545

or e-mail:

Dexter.Facey@redcross.org

or write to:

American Red Cross Biomedical Services

Musser Blood Center

700 Spring Garden Street

Philadelphia, PA 19123-3594

ATTN: Dexter Facey



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## National Reference Laboratory for Blood Group Serology

### Immunohematology Reference Laboratory

AABB, ARC, New York State, and CLIA licensed

24-HOUR PHONE NUMBER:

**(215) 451-4901**

FAX: (215) 451-2538

#### American Rare Donor Program

24-HOUR PHONE NUMBER:

**(215) 451-4900**

FAX: (215) 451-2538

ardp@redcross.org

#### Immunohematology

PHONE, BUSINESS HOURS:

**(215) 451-4902**

FAX: (215) 451-2538

immuno@redcross.org



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## Donor IgA Screening

- Effective tool for screening large volumes of donors
- Gel diffusion test that has a 15-year proven track record:  
Approximately 90 percent of all donors identified as IgA deficient by this method are confirmed by the more sensitive testing methods
- A small fee may be charged.

#### FOR ADDITIONAL INFORMATION:

Lauren Smith  
at (860) 519-4017

e-mail:

Lauren.Smith@redcross.org

or write to:

Reference Laboratory

American Red Cross Biomedical Services

Connecticut Region

209 Farmington Avenue

Farmington, CT 06032



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