With 50 years of donor blood testing experience and with over seven million donations tested annually, the National Testing Laboratories offer the expertise, technology and throughput capacity necessary to provide high-quality, reliable, and cost-effective donor blood testing. The American Red Cross NTLs serve customers 24 hours a day, 7 days a week.

American Red Cross NTLs

- Full-service donor screening and testing
- 12 to 14 hour turn-around time for most samples
- Cost-effective
- Rigorous quality standards and process controls
- FDA-licensed, AABB-accredited, CLIA-certified
- Contingency and emergency back-up testing capacity
- Confirmatory and supplemental testing available
- World-renowned expertise and individualized services for blood centers and hospitals
- Service available 24 hours a day, 7 days a week, including holidays
  - Electronic transmission of results
  - Dedicated client service representatives
  - Consultation by experienced and knowledgeable staff
  - Collaboration in blood safety and research

National Testing Laboratories
Medical advances in blood donor screening and testing have dramatically improved blood safety. The American Red Cross National Testing Laboratories (NTLs) are designed as high-throughput streamlined laboratories to efficiently process and test donor samples and to release reliable results in a timely manner. Today the NTLs perform the following routine tests on each unit of donated blood, as well as specialized tests upon request to meet the individual needs of blood centers and hospitals:

- ABO/Rh
- Screening for unexpected red cell antibodies
- Antibodies to Treponema pallidum for Syphilis*
- Antibodies to Human Immunodeficiency Virus (anti-HIV 1/2)*
- Hepatitis B surface antigen (HBsAg)*
- Antibodies to Hepatitis B Core Antigen (anti-HBc)*
- Antibodies to Hepatitis C Virus (anti-HCV)*
- Antibodies to Human T-Lymphotropic Viruses (anti-HTLV I/II)*
- Antibodies to CMV (Cytomegalovirus) - selected specimens only
- Nucleic Acid Testing for HIV-1/HCV and West Nile Virus (WNV)*
- Sickle Cell, cholesterol, anti-HBs, and additional red blood cell antigen screening - upon request

* Confirmatory and supplemental testing available as needed for reactive samples

American Red Cross NTLs serve both Red Cross and non-Red Cross blood centers and hospitals.

- Philadelphia NTL 215 451-4700
- Charlotte NTL 704 587-4660
- St. Louis NTL 314 658-2186
- Portland NTL 503 253-9660
- Detroit NTL 313 465-8400

The Confirmatory Laboratory

The Confirmatory Laboratory is located in Charlotte, NC and is a leader both in performing FDA-approved algorithms and in establishing new algorithms for confirmatory and supplemental infectious disease testing. Donor samples that have been determined to be repeatedly reactive in the routine tests performed by the NTLs are sent to the Confirmatory Laboratory for further testing. The comprehensive reports and results are used to counsel blood donors about the meaning and application of positive donor screening tests.