



Clinical Apheresis Services

Therapeutic Apheresis

Stem Cell Collection and Processing

Perioperative Autologous Cell Salvage



**American
Red Cross**

Expert Solutions For Your Apheresis Needs

The American Red Cross is a trusted leader in clinical apheresis services, supporting hospitals through our responsiveness, national network, and commitment to patient satisfaction—empowering hospitals to provide exceptional patient care. Our program includes:

A comprehensive menu of high-quality therapeutic apheresis services, with the ability to treat both adult and pediatric patients, improving access to alternative treatments and maximizing the ability to treat patients in-house.

Readily accessible access to specialists—experienced, board-certified Transfusion Medicine physicians are available 24/7 for clinical consultation and support for all procedures and treatment protocols.

A nationwide network of credentialed registered nurses and service teams manage all of your apheresis needs to provide prompt, high-quality patient care, including the ability to document procedures within the hospital EHR system.

On-call services with apheresis RNs and MDs are available 24 hours a day, 7 days a week, 365 days a year for scheduled and/or emergency services based upon medical necessity.

The ability to offer your patients therapeutic apheresis services without the operational expense of investing in equipment, supplies, training of specialized staff, and quality oversight.

Dedicated account management with coordinated support throughout our network.



Therapeutic Apheresis

Therapeutic Apheresis can serve as an effective lifesaving treatment for your patients with autoimmune, neurologic, hematologic, oncologic, metabolic, and infectious disorders and is used to remove pathological substances found in patients' blood. The American Red Cross performs approximately 12,000 lifesaving Therapeutic Apheresis procedures per year. These procedures can be performed inpatient or in an outpatient setting, potentially reducing costs, and providing continuity of care and convenience for your patients.

Therapeutic Apheresis Services Include:

- Plasmapheresis (therapeutic plasma exchange, TPE)
- Erythrocytapheresis (automated RBC reduction)
- Red Blood Cell Exchange (RBC exchange)
- Leukocytapheresis (WBC reduction)
- Thrombocytapheresis (platelet reduction)
- Extracorporeal Photopheresis (ECP)
- Therapeutic Phlebotomy (manual RBC reduction)



Diseases Commonly Treated by Therapeutic Apheresis

Therapeutic Plasma Exchange (TPE, plasmapheresis) Treats:

- Thrombotic Thrombocytopenia Purpura (TTP)
- Myasthenia Gravis
- Guillain Barré Syndrome
- Chronic Inflammatory Demyelinating Polyradiculoneuropathy
- Anti-glomerular Basement Membrane Disease
- Focal Segmental Glomerulosclerosis (FSGS), recurrent in renal allograft
- Desensitization

Red Blood Cell Exchange (RBC exchange) Treats:

- Sickle Cell Disease (prophylactic or symptomatic)

Extracorporeal Photopheresis (ECP) Treats:

- Graft vs. Host Disease (GVHD)
- Cutaneous T-cell Lymphoma
- Bronchiolitis Obliterans Syndrome—status post lung transplantation
- Cellular rejection—status post heart transplantation

WBC Reduction (leukocytapheresis) Treats:

- Hyperleukocytosis with Leukostasis

Platelet Reduction (thrombocytapheresis) Treats:

- Symptomatic Thrombocytosis

RBC Reduction (erythrocytapheresis) Treats:

- Hereditary Hemochromatosis
- Polycythemia Vera

Stem Cell Collection and Processing

The American Red Cross supports your stem cell transplant program by providing collection services from autologous or allogeneic donors, stem cell processing and cryopreservation, and storage of cryopreserved cells. In preparation for transplant, the frozen stem cells are returned to the hospital for thaw and infusion. With over 25 years of experience, we offer expert direction and the technical support you need to provide patients access to this vital therapy:

- Strategically located AABB or FACT-accredited cell therapy labs
- Board-certified Transfusion Medicine physicians on call 24/7 for consultation
- For patient convenience, collections can be performed in the hospital, clinic, or other appropriate care center
- Experience with both short- and long-term cryopreservation of cells with intact viability
- Support routine clinical care as well as clinical trials
- Guided support of clinical program FACT accreditation application and maintenance



Perioperative Autologous Cell Salvage Services

Perioperative Autologous Cell Salvage (PACS) services are an effective transfusion option for your surgical patients who are expected to have significant intraoperative blood loss and are recognized as a component of blood management programs. PACS may be used during orthopedic, vascular, cardiac, neurologic, gynecologic, urologic, transplant, and trauma surgeries. PACS reduces a patient's risk of disease transmission or a transfusion reaction and may help to conserve allogeneic donor blood inventories.

A Partner You Can Rely On

The Red Cross has extensive experience performing PACS procedures and can provide scheduled or emergency services at your surgery center, reducing your need for additional staff, training, and equipment.

- To reduce surgery delays, we offer First Collect, allowing your surgical team to collect shed blood prior to our arrival. This blood can later be returned to the patient, potentially minimizing the need for donated blood
- Experienced, board-certified Transfusion Medicine physicians are available 24/7 for clinical consultation and support for all procedures
- Trained staff on call 24/7
- State-of-the-art equipment
- The Red Cross follows nationally standardized training, certification protocols, and procedures in conformance with the guidelines of the AABB, The Joint Commission, the Food and Drug Administration (FDA), and applicable state requirements

Collaborative Solutions For Quality Patient Care

To learn more visit: [RedCrossBlood.org/ClinicalApheresisServices](https://www.RedCrossBlood.org/ClinicalApheresisServices)