



# Optimizing Healthcare with Science and Expertise



## Who We Are

Carter BloodCare's capabilities extend beyond delivering blood and blood components for transfusion dependent patients.

We are a major contributor to sophisticated healthcare with services that embrace:

- Immunohematology reference laboratory expertise
- Apheresis services
- Cellular therapy collections
- Processing, storage, and infusion
- Centralized transfusion services
- Medical consultation
- Research

Our services are available 24/7, under the guidance of pathologists with experience in transfusion medicine.

Accuracy and timeliness are hallmarks of our reputation. Put our expertise to work.



# Immunohematology Reference Laboratory (IRL) and Transfusion Services

One of only three AABB IRL accredited labs in Texas, Carter BloodCare (CBC) offers simple to complex antibody identification; compatibility testing; antigen negative units; red blood cell genotyping; centralized transfusion services; flow cytometry services and specialized platelet matching services.

- Multiple serologic testing platforms and resources
- Genotyping for patient/donor phenotype determination
- Collection of frozen rare reagent RBCs and antibodies for complex identification studies
- Extensive antigen negative RBC unit inventory, rare types
- American Rare Donor Program participant
- Provision of samples to clients for use with validation, correlation and competency evaluations
- 24/7 consults with physicians and technologists

**Customer Service** Caring is in Our DNA.

## Centralized Transfusion Services

- On-site or remote transfusion services
- Centralized transfusion services custom designed for surgery centers and other small facilities
- Blood center physician participation on medical staff and on relevant committees

## Flow Cytometry Services

- Residual white blood cell determination for leukocyte-reduced component quality control
- Cell surface marker enumeration for patient monitoring and cellular therapy product analysis
- Fetal bleed hemoglobin F quantification in maternal antepartum and postpartum specimens
- Customizable assays

## Blood Product Quality Control

Our experts consult and perform product qualification for red blood cells, platelets and granulocytes.

- Hematocrit/hemoglobin concentration
- Platelet count
- Granulocyte white blood cell count/differential
- Bacterial detection for apheresis platelets

**Quality** Inspiring Confidence. Pursuing Innovation.

# Apheresis Services

## Therapeutic Apheresis

Therapeutic apheresis plays a significant role in the treatment of numerous diseases. We serve both urgent and routine patient needs 24/7/365.

- **Plasma exchange** for adult and pediatric treatment; including neurology, nephrology, hematology, oncology and patients on extracorporeal circuits
- **Red cell exchange**, primarily for the treatment of sickle cell disease, yet also utilized in the treatment of babesiosis and some cases of severe malaria
- **Platelet depletion**, and **leukocyte depletion** for the treatment of Leukemia
- **Therapeutic phlebotomy** available for the inpatient with a physician's order

## Cellular Therapy Collections

Collection products: Autologous and allogeneic hematopoietic peripheral blood stem cells, mononuclear cells, and donor lymphocytes; which can be used in the research of leading-edge therapies.

### Turn-Around Time

Offering Reliable 24/7/365 Care.

## Cellular Therapy Laboratory

Our comprehensive cellular therapy laboratory has been entrusted to assist with the initial collection, processing, cryopreservation, delivery and bedside preparation of cellular therapy products for patient infusion. We offer expertise with managing products for adult and pediatric transplant patients.

- Intake and assessment of imported products; sterility and quality testing
- Cellular therapy product processing, including cell selection
- Cryopreservation and storage (including transferred products)
- Closed system cell expansion

### Value

Exceeding the Expected.

## Stem Cell Transplantation

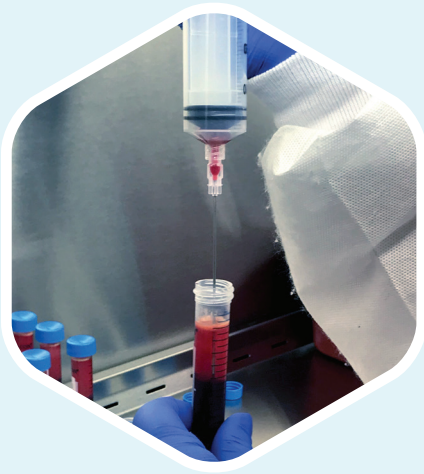
- Autologous and allogeneic bone marrow harvest assistance
- Staff trained in surgical aseptic and sterile field techniques
- Thaw and infusion support



## Transfusion Products and Services

As one of the largest independent blood centers in Texas, Carter BloodCare provides blood components and transfusion services to nearly 200 healthcare providers in almost 60 counties. Our responsibilities include the recruitment, collection, processing, storage and distribution of blood and blood components.

We provide hospitals with leukoreduced red blood cells, platelets, plasma, granulocytes, whole blood and pre-pooled cryoprecipitate.



## Platelet Crossmatch Testing Services

- HLA matching of donors and recipients
- Extensive HLA typed and HPA-1a antigen negative donor databases
- Platelet cross matching and antibody screens
- NAIT studies

**Community** Matching Locally. Serving Globally.

## Medical Directorship

Carter BloodCare's staff of physicians, specializing in blood banking and transfusion medicine, are available to serve as your facility's CLIA medical director. Our team provides medical and scientific expertise in donor eligibility and deferral, donor reactions, infectious disease testing, cell therapy collection, storage and processing, centralized hospital transfusion services; as well as regulatory support and guidance. We tailor services to meet the unique needs of each facility



## Research

Carter BloodCare has been an essential partner of both pharma and academia in a number of studies that have taken new products through development, clinical trials, and licensing. We also have biologic sourcing capabilities for research protocol needs.

## Preventative Maintenance

The lack of preventative maintenance is a leading source of error in the laboratory. We deliver a two-business-day turnaround time on preventative maintenance services (from receipt of equipment).

- Pipette calibration, maintenance and minor repair

**To learn more, please contact**

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