

CELLULAR THERAPY LABORATORY & APHERESIS COLLECTION SERVICES



The New York Blood Center (NYBC) Cellular Therapy Program provides coordinated laboratory and collection services to cellular therapy and bone marrow transplant programs. NYBC CELLULAR THERAPY LABORATORY (CTL) has been providing state-of-the-art, comprehensive laboratory services for more than 20 years. The laboratory has processed, cryopreserved, and stored more than 15,000 hematopoietic progenitor cell (HPC) products, representing over 5,000 successful bone marrow transplants. Other tissues processed, cryopreserved, and stored for therapeutic use include mononuclear cells for donor lymphocyte infusions and autologous parathyroid tissue. Research tissue banking services are also provided. Available laboratory services include: plasma reduction; red blood cell reduction;

CliniMACS cell enrichment and depletion procedures; flow cytometry (CD 34+ cell enumeration, CD 3+ cell enumeration, and viability); cryopreservation; and storage in liquid nitrogen vapor freezers electronically monitored 24/7. Other procedures requested by physicians can be developed with our staff. NYBC APHERESIS COLLECTION SERVICES utilizes highly skilled and trained nurses to collect cells for cellular therapy and bone marrow transplantation by apheresis. Examples of cells that can be collected are mononuclear cells, donor lymphocyte infusions, and hematopoietic progenitor cell products. These cells can then be used for transplantation or further processing to develop therapeutic cell types for both clinical and research purposes.

WHY USE NEW YORK BLOOD CENTER?

- Cellular therapy is a highly regulated area. Outsourcing enables your practice to offer the benefit of cellular therapy without the burden of maintaining equipment, supplies, staffing, and performance and quality data for regulatory compliance.
- Our cellular therapy collection and laboratory services are accredited by both AABB and FACT and comply with all NYSDOH and FDA regulations.
- Our cellular therapy collection and laboratory service teams consist of highly experienced and trained RNs, licensed laboratory technologists, laboratory and medical directors, and managers. We work with you to develop and implement your cellular therapy goals, whether for standard treatments or research protocols.
- We are dedicated to complying with any applicable, institution-specific requirements and standards.
- Utilizing the larger NYBC infrastructure allows us to offer the latest in technology and innovation.



HOW TO ACCESS OUR SERVICES



NYBC Cellular Therapy Collection and Laboratory Services are available 24/7:

Laboratory	212.570.3494	celltherapy@nybloodcenter.org
Laboratory (After Hours)	917.570.6049	celltherapy@nybloodcenter.org
Collection	866.956.6922	cas@nybloodcenter.org

The cellular therapy collection team transports required equipment to and from your facility. Our nurse performs the procedure and records all procedural information on a flow sheet, a copy of which is placed in the patient's chart. The laboratory team will transport the cell product to and from our processing laboratory according to your needs using trained couriers. Either the service manager or a medical director is available 24 hours a day for further consultation. We have flexibility to supply collection services, laboratory services, or both.