



## Cryopreserved Leukopaks

FOR MORE INFORMATION, PLEASE VISIT  
[WWW.ALLCELLS.COM](http://WWW.ALLCELLS.COM)



### Key Advantages



#### HIGH QUALITY CELLS

Superior TNC and cell viability due to on-site processing facilities, which mitigate loss of fidelity prior to cryopreservation.



#### STATE-OF-THE-ART CRYOPRESERVATION

Cells are cryopreserved using GE Healthcare's GMP-compliant VIA Freeze Quad controlled-rate freezer, which enables consistently high post-thaw recovery and viability.



#### DEPENDABLE COLD CHAIN LOGISTICS

AllCells utilizes CryoPort LN<sub>2</sub> Dry Shippers for dependable end-to-end shipping logistics.



#### FLEXIBILITY

Cryopreserved cells give you the flexibility to do experiments on your schedule without waiting on delivery of fresh cells.

Leukopaks, collected from peripheral blood from a single donor, are an enriched source of mononuclear cells (T cells, B cells, NK cells, and monocytes). Leukapheresis collections provide higher purity and quantity of mononuclear cells (MNCs) than buffy coat collection, which is desirable for research and clinical uses such as cell-based assays (proliferation, T cell activation, etc), cell therapy process development, biomarker discovery and more.

MNCs are critical raw materials for many research and biomedical applications. Freshly procured cells are viable and functional within 24 hours post-collection but these attributes decline rapidly over time. Therefore, delays in getting your cells can negatively impact experimental workflows, costing time, money and resources. AllCells has addressed this need for an alternative to fresh cells that maintains high viability and functionality with its Cryopreserved Leukopak products, which enables researchers to have experimental flexibility without compromising on quality.

## MAINTAIN FLEXIBILITY IN YOUR WORKFLOW WITHOUT COMPROMISING QUALITY

Access high-quality primary cells when you need them without worrying about potential delivery delays. When stored properly, Cryopreserved Leukopaks allow for prolonged storage, affording you flexibility in your workflow without compromising on quality.

A key AllCells advantage is our strategically located collection facilities and adjacent processing centers. This enables leukapheresis material to be immediately cryopreserved in CryoStor® CS10 (GMP-grade cryopreservation medium) or other requested cryoprotectants to maintain cell viability between collection and processing.

MNC-rich peripheral blood is collected from an extensive pool of healthy and recallable donors using continuous flow Spectra Optia® Apheresis System into ACD-A anticoagulant following a standardized protocol at our on-site, IRB-approved collection facilities located in California and Massachusetts. Cryopreserved Leukopaks adhere to strict quality standards to ensure unparalleled purity, viability, and quality.

## STATE-OF-THE-ART CRYOPRESERVATION AND RELIABLE COLD CHAIN LOGISTICS

AllCells' cryopreservation protocol has been optimized using GE Healthcare's GMP-compliant VIA Freeze Quad controlled rate freezers, with state-of-the-art conduction cooling. Controlled cooling is gentle on cells, preserving cell function and viability. To ensure worry-free, end-to-end cold chain logistics, AllCells ships Cryopreserved Leukopaks using CryoPort's LN2 dry shippers. These shippers can maintain temperatures of  $\leq -150^{\circ}\text{C}$  for up to 10 days, eliminating temperature excursions and risk of product degradation. AllCells removes the complex logistical and technical challenges through its immediate cell processing, state-of-the-art cryopreservation protocols, and providing dependable cold chain logistics to minimize risks during shipping.

## CRYOPRESERVED LEUKOPAK PRODUCT PORTFOLIO

Whether you require Cryopreserved Leukopaks with a defined starting cell number (2.5-3.0B TNC), full collection from a single donor, or have unique requirements for your research, AllCells can meet your needs. Our on-site collection and processing facilities can accommodate customer requests such as (but not limited to):

### A variety of aseptic division formats:

- By cell volume or cell count
- Have part of the collection fresh and part of it cryopreserved
- Delivery to different geographical destinations

Product	LP, CR, Solo 2.5-3.0B	LP, CR, Full Pak, Custom
Description	Leukapheresis material cryopreserved in CS10	Leukapheresis material cryopreserved per custom specification
Pre-cryopreservation TNC	2.5 - 3B	Custom
Fill Volume	NMT 70mL per CS250 cryo bag	Custom
Sampling Vials	1	Custom
Certificate of Analysis	CBC, IP, Cell count, viability	Custom

*\*Donor variability applies*

For more information and/or to get a quote, please visit [allcells.com](https://allcells.com) or call us at 510.726.2700.

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