



Leukopak, Guaranteed Cell-count

Leukopaks are an enriched leukapheresis product collected from the peripheral blood from a single donor consisting of a large number of mononuclear cells (T cells, B cells, NK cells, and monocytes). Leukapheresis collections result in higher purity and significantly higher MNC content than that from buffy coat collection. Obtaining a more pure and higher quantities of mononuclear cells (MNCs) is important for research and clinical uses such as cell-based assays (proliferation, T cell activation, etc), cell therapy process development, bio-marker discovery and more.

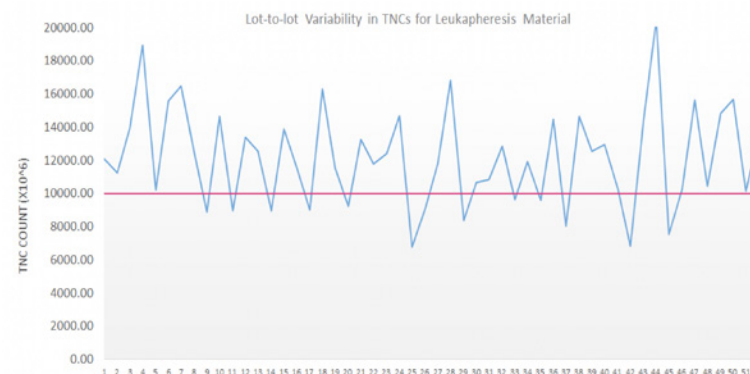
One challenge, however, is the number of cells obtained during leukapheresis is inherently variable because it is donor dependent. While some of this variability can be addressed through donor management, all donors are unique individuals and differences in demographics like age, size, or gender can affect apheresis results, and in turn, negatively impact your experimental workflow.

Consistency in Every Leukopak

With AllCells' new Guaranteed Cell-count Leukopak products, you can overcome these challenges, saving both time, money and resources. Obtain no less than the number of cells you need for your experimental workflow in as little as 3-days lead-time*. **The Guaranteed Cell-count Leukopaks are filled to deliver no less than 10 Billion, 5 Billion or 2.5 Billion cells at release.** This standardized, cost-effective and characterized Leukopak product takes the guesswork and uncertainty out of the equation, making it easier to execute experiments with success and minimize failures and costly repetition.



LEUKOPAK



The inherent variability present in the donor population is easily observed, as demonstrated by the total nuclear cell (TNC) counts across a sampling of 52 individual apheresis collections from AllCells' donor facility.

Key Advantages



GUARANTEED CELL COUNTS

Get a guaranteed number of cells in every Leukopak, each and every time.



THREE FORMATS

Available in 10B, 5B and 2.5B TNC for your convenience.



CONSISTENCY

Adherence to quality standards ensure cells are of a high purity and viability.



ADDITIONAL SERVICES

Surface antigen marker expression and complete blood counts services available for every Leukopak.

Guaranteed Cell-count Leukopaks are collected from our on-site, IRB approved bi-coastal collection facilities located in Alameda, California and Quincy, Massachusetts from an extensive pool of healthy, consenting and recallable donors. Mononuclear cell-rich peripheral blood is collected by leukapheresis using the continuous flow Spectra Optia® Apheresis System into ACD-A anticoagulant following a standardized protocol. Guaranteed Cell-count Leukopaks adhere to strict quality standards to ensure the product is of the highest purity, viability, and quality.

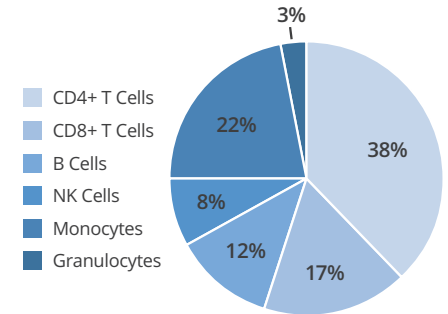
Exclusive Characterization Bundle Available with your Guaranteed Cell Count Leukopak

Have confidence in product quality with additional product characterization, available exclusively with your Guaranteed Cell Count Leukopak purchase.

Product parameters including 5 part differential complete blood count (CBC) and immunophenotyping by flow cytometry for key cell surface markers (CD45+, CD3+, CD4+, CD8+, CD14+, CD56+, CD19+) are available for every Guaranteed Cell Count Leukopak. Contact us for more information on this exclusive characterization bundle.

Leukopaks: Enriched in White Blood Cells for Immunology

Fresh Leukopaks are a rich source of T cells, B cells and other white blood cells that are useful for use in immunological research, cell therapy process development and drug development. They can provide insight into immunological mechanisms that are of huge benefit to the scientific and medical research fields. On average, the content of white blood cells in each Leukopak is 72.7% ± 8.2. Leukapheresis results in higher purity and significantly higher MNC content per volume than from buffy coat collection from whole blood, which is important for applications requiring a high yield and purity of cells.



Mean percentages of cell subpopulations in leukapheresis product types as measured by flow cytometry

ORDERING INFORMATION

Catalog #	Description	Size	Format	Price
LP, FR, 10B	Guaranteed cell count Leukopak	10 billion cells	Fresh	Please inquire
LP, FR, 5B	Guaranteed cell count Leukopak	5 billion cells		
LP, FR, 2.5B	Guaranteed cell count Leukopak	2.5 billion cells		