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ALLCELLS.COM



Key Advantages



GUARANTEED CELL COUNTS

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



TWO FORMATS

Available in 10B and 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.

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 compared to from buffy coat collection. Obtaining higher purity 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

AllCells' Guaranteed Cell-count Leukopak products help you overcome these challenges, saving both time 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 or 5 Billion cells at release. This standardized, cost-effective and characterized Leukopak product takes uncertainty out of the equation, minimizing failures and costly repetition.

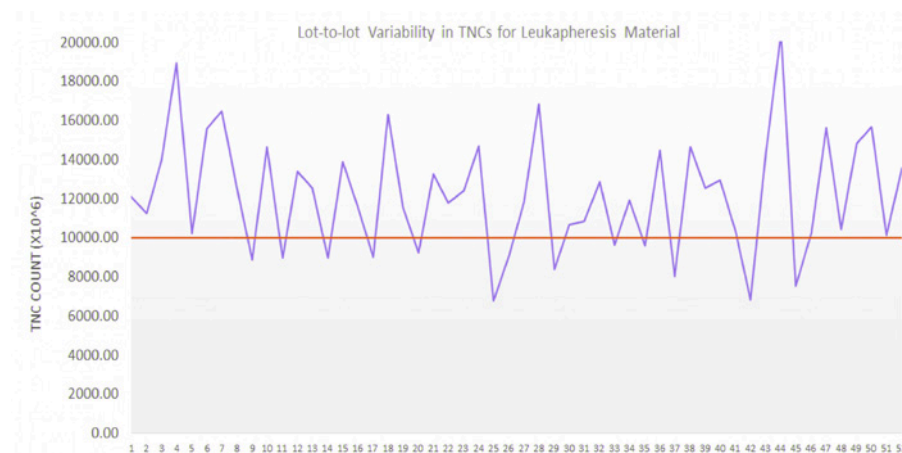
Guaranteed Cell-count Leukopaks are collected from an extensive pool of healthy and recallable donors at our on-site, IRB-approved collection facilities located in California and Massachusetts. MNC-rich peripheral blood is collected by leukapheresis using the continuous flow Spectra Optia® Apheresis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

EXCLUSIVE CHARACTERIZATION BUNDLE AVAILABLE WITH YOUR GUARANTEED CELL COUNT LEUKOPAK

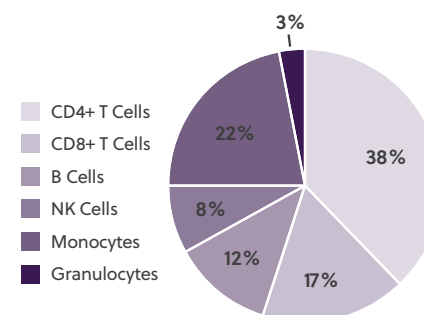
Have confidence in product quality with additional product characterization, available exclusively with your Guaranteed Cell-count Leukopak purchase. Product parameters including 5 part differential complete blood count (CBC) and immunophenotyping by flow cytometry for key cell surface markers (CD45+, 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 immunological research, cell therapy process development, and drug development. On average, the content of white blood cells in each Leukopak is $72.7\% \pm 8.2$. Leukapheresis results in higher purity and significantly higher MNC content per volume (compared to buffy coat collection from whole blood) which is important for applications requiring a high yield and purity of cells.



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.



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		

For more information and/or to get a quote, please visit allcells.com or call us at 510.726.2700.

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