



DISCOVERY

L I F E S C I E N C E S

Science at your Service™

CELL & GENE THERAPY SOLUTIONS



A SINGLE PARTNER DELIVERING

Speed, Quality & Scale

from Early Research through Clinical Use



Speed:

- We can start collections within 2 - 14 days from receipt of purchase order
- Depending on your location, we provide same-day or next-day delivery



Quality:

FDA Licensed for Blood Products, GMP/GLP compliant, CLIA and CAP registered

- **Purity:** ~95% mononuclear cells in every Discovery Leukopak
- All cells are obtained using IRB approved informed consent forms and protocols.
- >98% viability of Discovery Fresh Leukopaks and ~95% viability, post-thaw in Discovery Cryo Leukopaks
- QC flow cytometry reports are available upon request.



Scale:

Large, Hyper-Annotated™ Recallable Donor Pool

Discovery has more than 2,800 recallable donors available for apheresis. Each donor is hyper-annotated including the following characterizations:

- HLA typing via 6-digit NGS
- Virus testing every 90 days for HIV, HBV, HCV, etc).
- Demographic characteristics (age, sex, tobacco use)
- Custom characterizations using multi-omic analytical capabilities

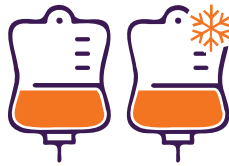
Discovery Leukopak™ Products:



GMP compliant

Discovery Fresh Leukopaks™ for clinical use

Fresh Leukopak (GMP)	Product No.	Total Cell Count
Full Leukopak	960241	9.5 Billion Minimum
Half Leukopak	960242	5.5 Billion Minimum
Quarter Leukopak	960243	2.5 Billion Minimum
1/10th	960244	1 Billion Minimum



RUO

Discovery Fresh & Cryo Leukopaks™ for research use only

Fresh Leukopak (RUO)	Product No.	Total Cell Count
Full Leukopak	78023	9.5 Billion Minimum
Half Leukopak	53678	5 Billion Minimum
Quarter Leukopak	75663	2.5 Billion Minimum
Custom Order	C-5672	Custom

Cryo Leukopak (RUO)	Product No.	Total Cell Count
Full Leukopak	260240.01	9.5 Billion Minimum
Half Leukopak	260260.01	5 Billion Minimum
Quarter Leukopak	260280.01	2.5 Billion Minimum
Custom Order		Custom



Cryopreserved, primary immune cell isolates

Produced from Fresh Discovery Leukopaks (RUO) with the ability to begin all cell isolation protocols within 1 hour of apheresis

Cell Type	Selection	Count
MNCs	Ficoll	100 MM
MNCs	Ficoll	50 MM
MNCs	Ficoll	25 MM
MNCs	Ficoll	15 MM
Monocytes (CD14+)	Positive	40 MM
Monocytes (CD14+)	Positive	20 MM
Monocytes (CD14+)	Positive	10 MM
Monocytes (CD14+)	Negative	10 MM
Pan T (CD3+)	Negative	20 MM
Helper T (CD3+ CD4+)	Negative	15 MM
Cytotoxic T (CD3+ CD8+ CD56-)	Negative	10 MM
Naive CD4+	Negative	5 MM
Naive CD8+	Negative	5 MM
B Cells (CD19+)	Negative	20 MM
B Cells (CD19+)	Negative	10 MM
B Cells (CD19+)	Positive	10 MM
NK Cells (CD56+)	Negative	5 MM
NK Cells (CD56+)	Positive	5 MM
Plasmacytoid Dendritic Cells	Negative	0.5 MM
Macrophages (CD11b+ CD18+ CD68+ MHCII+)	Culture	1.5 MM

Science:

Unlock Answers Using Integrated, Multi-Omic Analytical Services

Further characterize human cellular materials or conduct downstream processing during cell and gene therapy development using our integrated multi-omic analytical services.



HUDSONALPHA DISCOVERY
SEQUENCING + BIOINFORMATICS™



**Flow Cytometry and
Cell Sorting**



***In vitro* Cell Culture**



**10x Library Prep and
Single Cell Sequencing**



DISCOVERY
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Science at your Service™

Contact us today to put the Power of Discovery™
into your cell and gene therapy R&D programs:

info@dls.com or (866) 838-2798