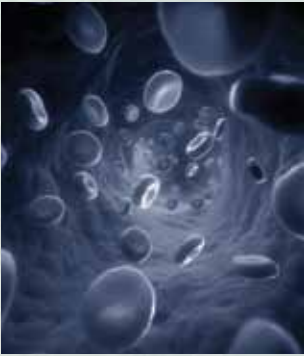


ACCUCELL® PBMCS AND CBMNCS - HUMAN BLOOD PRIMARY CELLS SPEND MORE TIME ON RESEARCH AND LESS TIME SEARCHING FOR UNIQUE DONORS

**EXTENSIVELY CHARACTERIZED
CELLS AVAILABLE IMMEDIATELY
OFF THE SHELF**



>90%

AVERAGE LOT VIABILITY
AND PURITY POST-THAW

- Optimize assay efficiency by starting from our cryopreserved cells with functionality comparable to fresh isolations
- Standardize test results in large lots of cells from a single donation with high survival and post-thaw recovery rates
- Find specific cell types needed for your research from our wide demographic selection
- Accelerate your studies by using the existing flow cytometry and ELISpot testing profiles available with our comprehensively characterized cells
- Custom processing and characterization studies offered to meet your exact needs

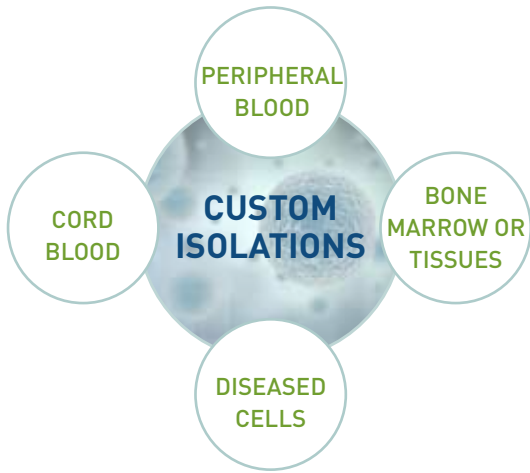
DATA	EXAMPLE ONE	EXAMPLE TWO
AGE	21	51
GENDER	Male	Female
ETHNICITY	Hispanic	Caucasian
HLA TYPE I	A26	A01
	A30	
	B14	B14
	B56	B41
	C01	C07
HLA TYPE II	C08	C17
	DRB1 07:01	DRB1 13:02
	DRB1 11:04	DRB1 13:03
	DRB3 02:02	DRB3 01:01
	DRB4 01:01	DRB3 03:02
	DQB1 02:02	DQB1 03:01
CEF (SFC)	13 – Low Response	162 – High Response
CMV (SFC)	701 – High Response	41 – Low Response
PHA (SFC)	TNTC: Too Numerous To Count. Considered a High Response	65 – Med Response

SFC = SPOT FORMING CELLS
NO RESPONSE = 0 - 10 SFC
LOW RESPONSE = 11 - 50 SFC
MEDIUM RESPONSE = 51 - 100 SFC
HIGH RESPONSE = >100 SFC

All donor units are collected from an FDA regulated center and tested with FDA approved test kits for the following viruses:

- Hepatitis B Surface Antigen
- Syphilis (RPR)
- Anti-HIV-1/HIV-2
- HIV-1 RNA
- Hepatitis C RNA

SIMPLY TELL US YOUR DESIRED POPULATION AND WE WILL PROCESS, CHARACTERIZE AND ANALYZE FOR YOU. IT'S THAT EASY.



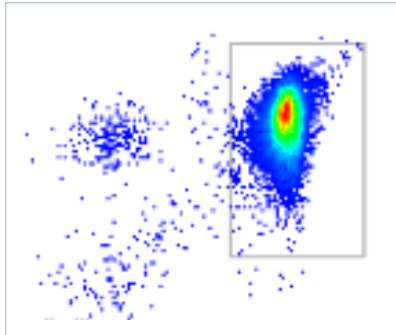
CUSTOM ISOLATIONS

- Cells purified from cord blood, peripheral blood or other sources such as bone marrow or tissues
- Highly purified PBMC or CBMNC Subsets such as Monocytes, T-cells or B-cells

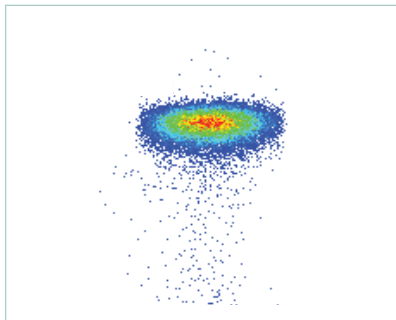
DISEASE STATE MATERIAL

- Wide variety of patient populations including those with infectious diseases, cancer and autoimmune disorders
- Highly annotated and superior quality human specimens for novel research solutions

CD4+ T-CELLS
98.3% PURE



CD14+ MONOCYTES
98.4% PURE



Immunophenotyping of CD4+ T-cells and CD14+ Monocytes showing greater than 98% purity using a 14-color flow cytometer

ENSURE RESEARCH CONTINUITY WITH OUR SPECIALIZED LABORATORY SERVICES FOR ASSAY DEVELOPMENT AND OPTIMIZATION

- Characterization assays – ELISA, ELISpot, HLA Type I and II
- Immunophenotyping - Flow cytometry analysis with up to 14 colors - for a single sample or for screening multiple samples
- Other immunoassays – intercellular cytokine staining and cytokine bead array
- Tissue culture – cell line expansion, EBV transformation, cell proliferation assays
- Nucleic acid extraction and quantitation
- Sample integrity assessment services to maximize utilization of biospecimens
- Custom analysis