

■細胞採取方法 AllCells Leuko Pak™ と Buffy Coat から細胞採取した場合の違い

【 Leuko Pak™ vs Buffy Coat: the difference is in the details 】

	Leuko Pak	Buffy Coat
Procedure	<ul style="list-style-type: none"> Collect whole blood through apheresis and sophisticated sensor separates desired components. Mononuclear cells, platelets, and plasma are collected while Red Blood Cells and Neutrophils are returned to the donor. 	<ul style="list-style-type: none"> Collect whole anticoagulated blood. Centrifuge at low speed. Collect layer of cells between plasma and erythrocytes.
Volume	Each full pak 300ml (3 total blood volumes processed to obtain this amount)	300ml - 500ml
Total # Mononuclear Cells	>20B	<1B
Mononuclear Cells	>80% (highly enriched)	30-50%
Neutrophils	5-15%	30-50%
Red Blood Cells	10-20%	30-50%
Flexibility	Available in multiple pak sizes for customizable options for your research and budget, from our own, on-site IRB-approved collection facility with over 2000 donors on file	Max 500ml from each donor, usually purchased from off-site blood banks
Primary Uses	Large and small-scale experiments requiring high yield of mononuclear, B, T, stem/progenitor, dendritic cells.	Whole blood collections prior to purification and isolation steps necessary for downstream applications.
Related Products	Mobilized LPs (Neupogen and Mozobil regimens offered by AllCells)	N/A
Ready for Application?	Yes - ready to use	No - purification process(es) must first be applied