

Certificate of Analysis

Human Adult Leukopak - Cryopreserved Bags

Catalog number:	PB001CLP (2000-2500 x 10 ⁶ cells/bag prior to cryopreservation)
Lot Number:	18000000
Source ID:	D000000
Description:	Leukapheresis material was collected from a normal, healthy donor in ACD-A anticoagulant. The leukapheresis material was stained to identify various subpopulations by Flow Cytometer. The LeukoPak was then cryopreserved in Cryostor CS10 (BioLife Solution, Seattle, WA) using a controlled-rate freezing process. The cells are also available in a fresh, non-frozen format.
Source:	Freshly collected Leukopak (Cat# PB001F-1) from HemaCare.
Instructions:	Upon arrival, either prepare cells for long term frozen storage in Liquid Nitrogen vapor phase or thaw for further experiments.
Principle Markers:	CD3 ⁺ , CD4 ⁺ , CD8 ⁺ , CD14 ⁺ , CD19 ⁺ , CD45 ⁺ , CD56 ⁺
Biosafety:	Cells should be handled following biosafety level 2 procedures. Universal precautions should be utilized when working with these cells. Use aseptic techniques when thawing or handling the cells.

The following donor screening tests have been performed:

CMV testing upon request

Serological Testing:

- Syphilis
- Antibody Screen

Infectious Disease Panel:

- Hepatitis B Core Antibody (Anti-HBc EIA)
- Hepatitis B Surface Antigen (HBsAg EIA)
- Hepatitis C Virus Antibody (Anti-HCV EIA)
- Human Immunodeficiency Virus Antibody (HIV 1/2 plus O)
- Human T-Lymphotropic Virus Antibody (HTLV-I/II)
- HIV-1/HCV/HBV Nucleic Acid Testing
- WNV Nucleic Acid Testing
- Trypanasoma cruzi Antibody

Certificate of Analysis

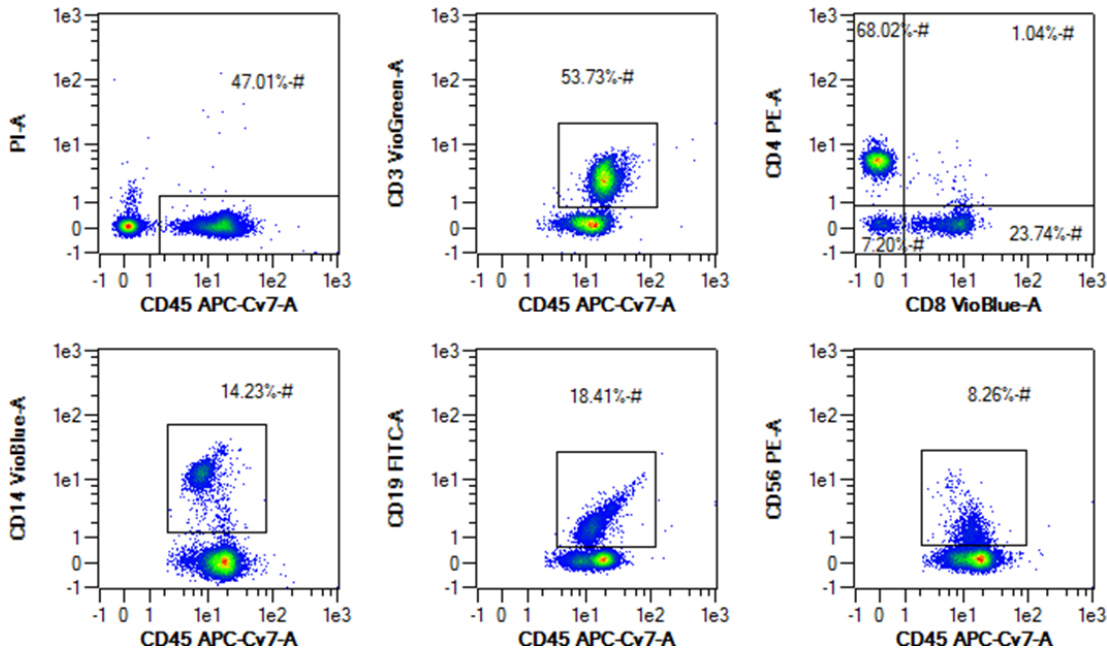
Human Adult Leukopak - Cryopreserved Bags

Catalog Number: PB001CLP (2000-2500 x 10⁶ cells/bag) Lot Number: 1800000

Volume/Bag: 70 mL

Pre-Cryopreservation WBC: 2581 x 10⁶/bag

Flow Cytometry Analysis



Flow Staining was from the original leukapheresis material displayed on CD45⁺/PI⁻ population before cryopreservation.
 Viability is 99.88% based on FSC/PI⁻ staining pre-cryopreservation (not shown).

Surface Marker Summary

CD45 ⁺ /PI ⁻	CD3 ⁺ T Cells	CD14 ⁺ Cells	CD19 ⁺ Cells	CD56 ⁺ Cells
47.01 %	53.73 %	14.23 %	18.41 %	8.26 %

Donor Demographics and Lot Specific Information

Source ID	Age	Gender	Ethnicity	Blood Type	Cryopreservation Date
D000000	54	Male	African American	AB Pos	June 5, 2018

Donor Testing Panel Results: Negative for all donor screening tests performed

Released By:

Wen Wang Ph.D.