



Certificate of Analysis

Human Adult Purified CD3⁺ Pan T Cells - Cryopreserved Vial

Catalog number:	PB03C- 2 (10 x 10 ⁶ cells/vial)
Lot Number:	15702941
Source ID:	D103
Description:	CD3 ⁺ Pan T cells were positively selected via immunomagnetic bead separation from a leukopheresis collection. After isolation, the CD3 ⁺ Pan T cells were tested for purity and viability by flow cytometry. The CD3 ⁺ Pan T cells were cryopreserved in Cryostor CS10 (BioLife Solution, Seattle, WA) using a CoolCell (BioCision, San Diego, CA) freezing container, and stored in the vapor phase of liquid nitrogen. The cells are also available in a freshly isolated, 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 ⁺ , CD45 ⁺
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



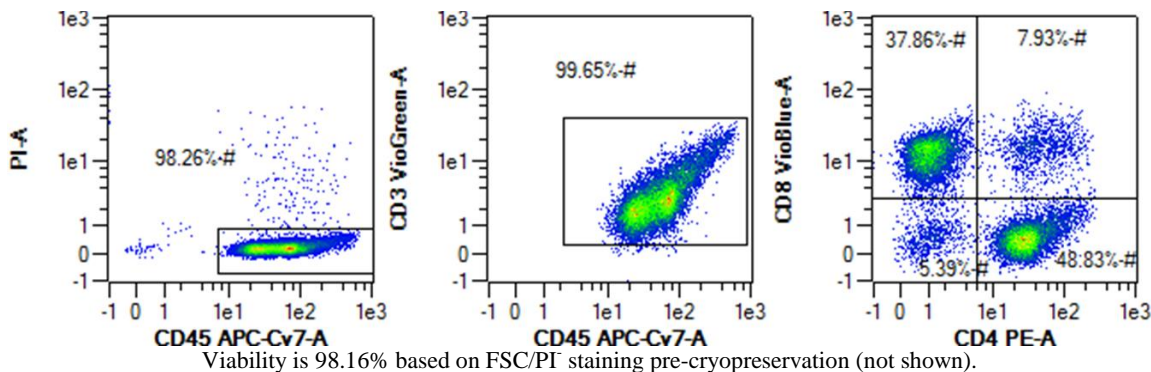
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Flow Cytometry Analysis



Surface Marker Summary

CD45 ⁺ , PI	CD3 ⁺ T-Cells
98.26 %	99.65 %

Donor Demographics and Lot Specific Information

Source ID	Age	Gender	Ethnicity	Blood Type	Cryopreservation Date
D103	24	Male	Caucasian	O Neg	December 8, 2015

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

Released by:

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