



## Certificate of Analysis

### Human Adult Purified CD4 T cells - Cryopreserved Vial

Catalog number: PB04C-1 (10 x 10<sup>6</sup> CD4<sup>+</sup> T Cells)

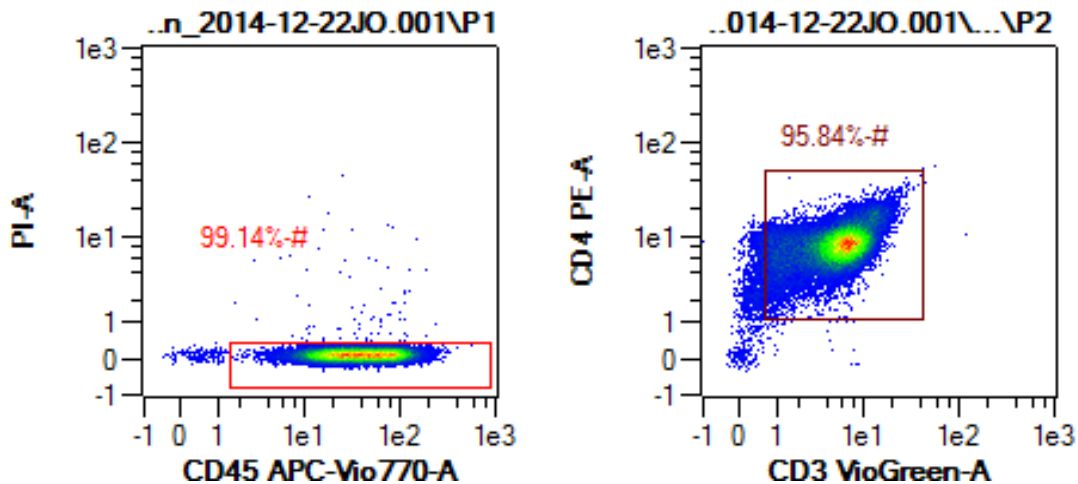
Description: CD4<sup>+</sup> T cells were positively selected via immunomagnetic separation from a leukopheresis collection. After isolation, the CD4<sup>+</sup> T cells were tested for purity and viability by flow cytometry. The CD4<sup>+</sup> T cells were cryopreserved in Cryostor CS10 (BioLife Solution, 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 from HemaCare (Cat # PB001F-1)

Storage Conditions: Either prepare cells for long term frozen storage in Liquid Nitrogen vapor phase or thaw for use.

Positive Markers: CD3<sup>+</sup>, CD4<sup>+</sup>, CD45<sup>+</sup>

Biosafety: Cells should still be handled as if potentially biohazardous following biosafety level 2 procedures. Universal precautions should be utilized when working with these cells. Use aseptic techniques when thawing or handling the cells.



CD45 <sup>+</sup> , PI <sup>-</sup>	CD3 <sup>+</sup> , CD4 <sup>+</sup>
99.14%	95.84%



## Certificate of Analysis

### Human Adult Purified CD4 Helper T Cells - Cryopreserved Vial

#### Donor Demographics

Age	Gender	Ethnicity	Blood Type
45	Male	Caucasian	B Pos

#### Lot Specific Information

Lot Number	Source ID	Cryo Date
14035418	D169072	December 22 <sup>nd</sup> , 2014

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

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