



**Human Peripheral Blood CD3⁺ T Cells,
Frozen, Negatively Selected
(Catalog # PI-hCD3T-015)**

Product Description

Primary human CD3⁺ T cells are isolated from peripheral blood mononuclear cells (PBMCs). T cells are generated in the thymus and are programmed to be specific for one particular foreign particle or antigen. They are the critical mediators of humoral and cellular adaptive immune response and encounters with their cognate antigens can generate immunological memory.

- Source: Peripheral Blood
- Donor Status: Normal
- Isolation Method: Negatively Selected
- Format: frozen in CryoStor® CS10, shipped in dry ice
- Purity: > 95% by flow cytometry
- Viability: > 95% by flow cytometry
- Anticoagulant: Acid-citrate-dextrose solution A (ACDA)
- Donor details: refer to the lot-specific Certificate of Analysis.

Stability and Storage

Product stable at -135°C or colder for 12 months from date of receipt. Short-term storage of cells (< 1 month) at -80°C is acceptable, but should be minimized to ensure maximum stability. Thawed samples must be used immediately.

Precautions

Biosafety: Universal precautions should be used when working with human cells as potential biohazards. Biosafety level II procedures and aseptic techniques should be followed.

Donor Screening: Donors have been tested and found to be negative for HIV-1, HIV-2, hepatitis B and C prior to donation. As testing cannot completely guarantee that the donor was virus-free, **THIS PRODUCT SHOULD BE TREATED AS POTENTIALLY INFECTIOUS** and only used following appropriate handling precautions such as those described in biological safety level 2.

For in vitro research use only. Not approved for diagnostic, therapeutic, or clinical applications.



CERTIFICATE OF ANALYSIS

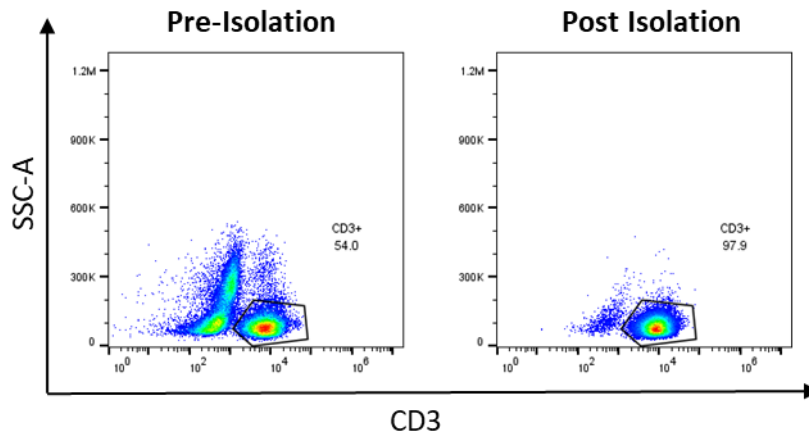
Human Peripheral Blood CD3⁺ T Cells, Frozen, Negatively Selected (Catalog # PI-hCD3T-015)

Source: Freshly collected Leukoreduction System (LRS) Chamber from NanoBiotec, LLC. (Cat # PBS-h001)

Cell viability: the viability of CD3⁺ T cells was 98%

Cell purity: the purity of the CD3⁺ T cells was 97%.

Flow cytometric analysis:



Lot specific information:

Lot#	Source #	Cryo date
PI032421-CD3	Donor DIN: W091021194012 00H	3/27/2021

Donor demographics information:

Donor Status	Gender	Age	Blood type	Ethnicity
Normal	Female	42	A+	CA- Caucasian



Donor testing panel results: not reactive (NR)

HBC, Antibody to Hepatitis B Core (Anti-HBc EIA)	NR
HBs, Hepatitis B Surface Antigen (HBsAg EIA)	NR
HCV, Antibody to Hepatitis C Virus (Anti-HCV EIA)	NR
HIV, Antibody to Human Immunodeficiency Viruses 1 & 2	NR
HTLV, Antibody to Human T-Cell Lymphotropic Viruses I & II	NR
STS, Syphilis	NR
Ultrio, Nucleic Acid Testing for Hep B, Hep C, HIV	NR
WNV, West Nile Virus	NR
ZIKA, Investigational Zika Virus NAT	NR
CHAG Chagas disease	NR
CVAB, Antibody to SARS CoV2	NR
CMV, Antibody to Cytomegalovirus	NR

Released by: Dr. E.K.H

(Signature _____)