

Human Peripheral Blood CD4⁺ Helper T Cells

Negatively Selected

Catalog #	Unit Size (cells/vial)
0504-100	15 x 10 ⁶

Product Description

Cryopreserved CD4⁺ Helper T cells have been isolated from human PBMCs (peripheral blood mononuclear cells) using immunomagnetic separation techniques. CD4⁺ Helper T cells are involved in activating and directing other immune cells. They are essential in determining B cell antibody class switching in the activation and growth of cytotoxic T cells, and in maximizing bactericidal activity of phagocytes such as macrophages.

Sample Collection and Processing

CD4⁺ Helper T cells are collected from peripheral blood of normal human volunteers using the COBE[®] Spectra collection system or AutoPBSC[®] collection protocol. All donors have been tested and determined negative for transmissible infectious diseases with the standard panel of tests (please see Certificate of Analysis).

CD4⁺ Helper T cells are enriched by negative selection using an immunomagnetic cell separation method consisting of an antibody cocktail to target and deplete non-CD4⁺ cells.

Purity

Purity of peripheral blood CD4⁺ Helper T cells is ≥90% as measured by flow cytometric analysis.

Stability and Storage

- Cells are cryopreserved in CryoStor[®] CS5.
- Cells are stable for long-term storage at -152°C or in the gaseous phase of liquid nitrogen.
- Storage at -80°C is not recommended. Once thawed, the cells must be used immediately and have a finite life span in culture.

Thawing Protocol

The thawing protocol can be found on our website at www.reachbio.com/protocols, by emailing techsupport@reachbio.com or by contacting customer service at 1.206.420.0300.

Warning

Primary cells from human sources are a potential biohazard, treat as potentially infectious. All human sourced products should be handled at the Biological Safety Level 2 to minimize exposure of potentially infectious products. If you require further information, please contact your site safety officer.

Limited Product Warranty

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