

# Normal Peripheral Blood CD4<sup>+</sup> T Lymphocytes



## Simplify Your Research, Just Thaw and Culture

Poietics® Human CD4<sup>+</sup> T Lymphocyte Cells are isolated from normal peripheral blood using negative immunomagnetic selection.

CD4<sup>+</sup> T lymphocytes play a central role in regulating the cell mediated immune response to infection. These cells are often known as “helper” T cells, as they act on other cells of the immune system to promote various aspects of the immune response, including immunoglobulin isotype switching and affinity maturation of the antibody response, macrophage activation, and enhanced activity of natural killer (NK) cells and cytotoxic T cells (CTL).

Lonza offers the convenience of guaranteed, cell culture products. Avoid the hassle of acquiring tissue and isolating your own cells with variable results. We offer superior quality and cost effective peripheral blood human CD4<sup>+</sup> T cells.

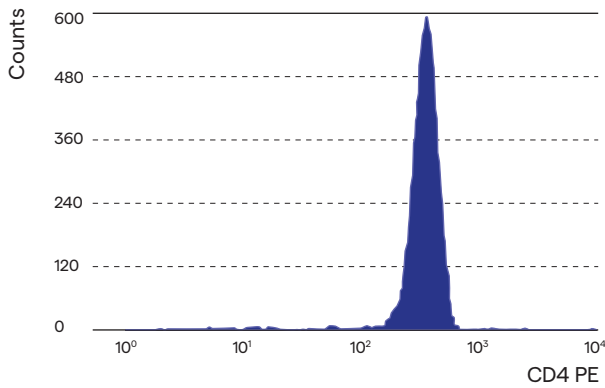
### Features:

- Purity >90%
- ≥10 million viable cells
- Multiple donors typically available
- LGM™-3 Lymphocyte Growth Medium-3 recommended for culture
- Donors are screened for general health and test negative for HIV-1, Hep B and C viruses

### Research Applications:

- HIV/AIDS
- Autoimmune disease
- Inflammation
- Cancer
- Cellular immunity
- Bacterial infection/Disease

## Human peripheral blood CD4<sup>+</sup> T cells



**Figure 1.** Flow cytometric analysis illustrated by histogram of percent positive human peripheral blood CD4<sup>+</sup> T Cells.

## Ordering Information

### Normal Peripheral Blood CD4<sup>+</sup> T Lymphocytes

Cat. No.	Description	Size
2W-200	Human Cryopreserved CD4 <sup>+</sup> T Cells	≥10 million cells
CC-3211	LGM™ 3 Lymphocyte Growth Medium-3	500 mL

## Additional Poietics® Human Purified Cells and Media

### Peripheral Blood Immune

- PBMCs
- CD14<sup>+</sup> Monocytes
- CD4<sup>+</sup> T Cells
- Natural Killer Cells
- Dendritic Cells
- LGM™ 3 Lymphocyte Growth Medium-3

### Bone Marrow Cells and Media

- CD34<sup>+</sup> Cells
- Mononuclear Cells
- CD133<sup>+</sup> Cells
- Mesenchymal Stem Cells
- Non-irradiated Stromal Cells (feeder cells)
- HPGM™ Hematopoietic Growth Medium

### Cord Blood Cells and Media

- CD34<sup>+</sup> Cells
- Mononuclear Cells
- CD133<sup>+</sup> Cells
- HPGM™ Hematopoietic Growth Medium

### Unprocessed Bone Marrow

- Fresh, unprocessed bone marrow (25-100 mL)
- Autologous bone marrow and peripheral blood (from the same donor)

Note: Volume discounts are available, please inquire. Custom cell isolations available upon request

Order your cells and media today at, visit

[lonza.com/hematopoiesis](http://lonza.com/hematopoiesis).

Guarantee means Lonza will replace or refund the applicable portion of the purchase on terms more fully described at [www.lonza.com/hematopoiesis](http://www.lonza.com/hematopoiesis)

## Contact us

### North America

Customer Service: +1 800 638 8174 (toll free)  
[order.us@lonza.com](mailto:order.us@lonza.com)  
 Scientific Support: +1 800 521 0390 (toll free)  
[scientific.support@lonza.com](mailto:scientific.support@lonza.com)

### Europe

Customer Service: +32 87 321 611  
[order.europe@lonza.com](mailto:order.europe@lonza.com)  
 Scientific Support: +49 221 99199 400  
[scientific.support.eu@lonza.com](mailto:scientific.support.eu@lonza.com)

### International

Contact your local Lonza distributor  
 Customer Service: +1 301 898 7025  
[scientific.support@lonza.com](mailto:scientific.support@lonza.com)

Lonza Walkersville, Inc. – Walkersville, MD 21793

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