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# 14-2001: Human Cord Blood CD3 Pan T Cells(Discontinued)

## Description

Human T cells are lymphocytes that are generally characterized by the expression of CD3 on the cell surface. These cells originate in the bone marrow, migrate to the thymus to undergo maturation, and are one of the key cell types involved in cell-mediated immunity. T cells destroy invading organisms and aid in the activation of B cells through the thymus-dependent response. There are several different subsets of T cells, including helper T cells (naïve and memory), cytotoxic T cells (naïve and memory), regulatory T cells, and natural killer T (NKT) cells.

Human cord blood $CD3^+$ pan T cells are isolated by means of negative selection. Cells expressing CD14, CD16, CD19, CD20, CD36, CD56, CD66b, CD123, and CD235a are depleted from the mononuclear cell population using immunomagnetic particles leaving purified, untouched $CD3^+$ pan T cells. Isolated cells are characterized by flow cytometry to ensure a highly pure and viable cell population.

Cord blood is collected from mothers that are negative for HIV, HepB, and HepC during pregnancy. Testing on cord blood can be provided as a custom order.

Cells were obtained using Institutional Review Board (IRB) approved consent forms and protocols.

## Product Info

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|---|---|
| **Amount :** | 1 Vial |
| **Content :** | Each cryopreserved vial contains 10 million cells. Preserved in CryoStor™ CS10 (10% DMSO) |
| **Storage condition :** | Immediately upon receipt, store in liquid nitrogen. |

## Application Note

**LIMITED USE RESTRICTIONS:**

**THIS PRODUCT IS SOLELY FOR IN VITRO RESEARCH USE ONLY. NOT FOR DIAGNOSTIC OR THERAPEUTIC USE.**

**By use of this product, user agrees to be bound by the terms of this limited use statement.**

**This product is solely for Internal Research Purposes and not for Commercial Purposes. Commercial Purposes include, but are not limited to (1) use of the cell line in manufacturing; (2) use of the cell line to provide a service, information or data; (3) use of the cell line for therapeutic, diagnostic or prophylactic purposes; or (4) resale of the cell line whether or not such cell lines are resold for use in research.**

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