

## 14-2011: Human Cord Blood CD56+ Natural Killer Cells(Discontinued)

### Description

Natural killer (NK) cells play a key role in the innate immune system. These effector lymphocytes react to certain infections and malignancies by directly destroying infected or transformed cells and by secretion of potent immune system cytokines that stimulate and guide other white blood cells to the target area. NK cells have the ability to recognize foreign or stressed cells that lack antibodies or major histocompatibility complex (MHC) class I proteins on the surface. If not restrained by inhibitory receptors recognizing MHC class I proteins on the surface of self-cells, NK cells are able to kill normal, healthy cells.

We offers human CD56+ natural killer cells from cord blood in an assortment of pre-selected volumes and formats (fresh or cryopreserved). Cord blood CD56+ cells are positively selected using immunomagnetic anti-CD56 microbeads from cord blood mononuclear 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

<b>Amount :</b>	1 Vial
<b>Content :</b>	Each cryopreserved vial contains 1 million cells. Preserved in CryoStor <sup>®</sup> , CS10 (10% DMSO)
<b>Storage condition :</b>	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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