

## 14-1014: Human Peripheral Blood CD56+ Natural Killer Cells(Discontinued)

### Description

Natural killer (NK) cells play a key role in the innate immune system. These lymphocytes react to certain infections and malignancies by direct cytolysis of infected or transformed cells and by secretion of potent immune mediators. NK cells have the ability to recognize foreign or stressed cells that lack antibodies and major histocompatibility complex (MHC) class I proteins on the surface, which would normally go undetected by other immune cells. However, NK cells express an array of inhibitory receptors that recognize self-molecules. 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.

Human peripheral blood CD56+ natural killer cells are enriched by means of negative selection. Cells expressing CD3, CD4, CD14, CD19, CD20, CD36, CD66b, CD123, HLA-DR, and CD235a are depleted from the mononuclear cell fraction by using immunomagnetic particles leaving purified, untouched CD56+ natural killer cells. Isolated cells are characterized by flow cytometry to ensure a highly pure and viable cell population. Positively selected natural killer cells are available 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 5 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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