

## 14-1012: Human Peripheral Blood CD34+ Stem Progenitor Cells(Discontinued)

### Description

CD34 is a glycosylated transmembrane protein and represents a well-established marker for human hematopoietic stem and progenitor cells in peripheral blood, bone marrow, cord blood, and fetal liver. CD34+ cells are self-renewing, multipotent stem cells that give rise to all blood cells of the immune system through a process called hematopoiesis. As hematopoietic stem cells progress through hematopoiesis they generate the myeloid (monocytes, macrophages, granulocytes, megakaryocytes, dendritic cells, and erythrocytes), and lymphoid (T cells, B cells, and NK cells) lineages. The highly specialized cells that arise from hematopoietic stem cells work collaboratively in defending the body against infection and disease.

We offers CD34+ hematopoietic stem and progenitor cells from peripheral blood in an assortment of pre-selected volumes and formats (cryopreserved or fresh). CD34+ cells are positively selected using immunomagnetic anti-CD34 (clone QBEND10) microbeads from peripheral blood mononuclear cells. Isolated primary cells are characterized by flow cytometry to ensure a highly pure and viable cell population.

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 0.2 million cells. Preserved in StemSpan and 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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