

## 14-2008: Human Cord Blood CD34 Depleted Mononuclear Cells(Discontinued)

### Description

Mononuclear cells (MNCs) are separated from umbilical cord blood by means of a density gradient centrifugation protocol. The mononuclear cells are composed of lymphocytes (T cells, B cells, and NK cells), monocytes, dendritic cells, and stem/progenitor cells. These cells are critical components of the immune system and play key roles in the humoral and cell-mediated immune responses. Mononuclear cells are commonly used in research and clinical applications in the areas of

immunology, infectious disease, hematological malignancies, vaccine development, transplant therapy, and high-throughput screening.

We offers highly pure and viable CD34 depleted mononuclear cells from cord blood in an assortment of pre-selected volumes and formats (cryopreserved or fresh). CD34 depleted mononuclear cells are isolated from cord blood by removing the CD34+ population by immunomagnetic separation. The CD34 depleted mononuclear cells contains less than 0.1% CD34+ cells. The presence of CD34+ cells is assessed by flow cytometry. The isolated MNCs can be used to isolate subpopulations, to study monocyte behavior and interactions, or in a variety of other applications.

Single and mixed donor CD34 depleted cells are available upon request. Mixed donor pools are from two or more donors. Single donor cells are obtained from a single umbilical cord blood sample.

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 200 million cells. Preserved in CryoStor <sup>®</sup> , $\phi$ 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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