

## 14-2014: Human Cord Blood 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 mononuclear cells from cord blood in an assortment of pre-selected volumes and formats (cryopreserved or fresh). This highly pure population of cells makes them ideal for further isolations of specific cell types within the mononuclear fraction.

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 150 million cells. Preserved in CryoStor®, 4 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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