

## 14-3002: Human Bone Marrow CD34 Depleted Mononuclear Cells(Discontinued)

**Reactivity :** Human

### Description

**Cell Source:** Bone Marrow

**Cell Types:** Mononuclear Cells, Lymphocytes, Monocytes, Dendritic Cells

**Donor Attributes:** HIV-, HepB-, HepC-

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

Human bone marrow CD34 depleted mononuclear cells are isolated from bone marrow by removing the CD34+ population by immunomagnetic separation. The CD34 depleted mononuclear cells contain less than 0.1% CD34+ cells. The presence of CD34+ cells is assessed using flow cytometry.

Cells were obtained using Institutional Review Board (IRB) approved consent forms and protocols.

### Product Info

<b>Amount :</b>	1 Vial
<b>Purification :</b>	<0.1% CD34+ Cells by Flow Cytometry
<b>Content :</b>	Each cryopreserved vial contains 100 million cells. Preserved in CryoStor <sup>®</sup> , 4 CS10 (10% DMSO)
<b>Storage condition :</b>	Immediately upon receipt, store in liquid nitrogen.

### Application Note

For cryopreserved samples, the freeze-thaw cycle may decrease cell viability by 10-15% post-thaw.

#### 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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