

14-2015: Human Cord Blood Neutrophils(Discontinued)

Description

Neutrophils are phagocytic granulocytes that spend most of their lives circulating in peripheral blood. Within the blood stream they account for approximately 60% of all leukocytes. Once stimulated by a sequence of inflammatory events, neutrophils are one of the first of the inflammatory cells to migrate to areas of infection or tissue injury where they engulf bacteria, other microorganisms, and microscopic particles.

Umbilical cord blood neutrophils are isolated from whole cord blood in a multistep process. First, whole cord blood is treated with HetaSep to deplete red blood cells. Granulocytes are further enriched via density gradient centrifugation and processed to remove remaining red blood cells. Finally, cells expressing CD2, CD3, CD9, CD19, CD36, CD56, and CD235a are depleted from the granulocyte enriched fraction using immunomagnetic particles leaving purified, untouched neutrophils. Purity is assessed using CD16 and CD66b antibodies by flow cytometry.

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

Amount :	1 Vial
Content :	Each cryopreserved vial contains 40 million cells. Preserved in CryoStor [®] , 4 CS10 (10% DMSO)
Storage condition :	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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