

14-1015: Human Peripheral Blood Eosinophils(Discontinued)

Description

Eosinophils are proinflammatory granulocytes that arise from the bone marrow and spend only a few days in the peripheral blood and tissues. These cells contain numerous granules in their cytoplasm, which contain proteins that contribute to the role of eosinophils in allergic immune responses as well as parasitic infection. Eosinophils can activate T cells directly by serving as antigen-presenting cells (APCs) and indirectly by secreting a variety of cytokines.

Human peripheral blood eosinophils are isolated from whole peripheral blood in a multistep process. First, whole peripheral 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, eosinophils are negatively selected by depleting cells expressing CD2, CD3, CD14, CD16, CD19, CD20, CD36, CD56, CD123, and CD235a from the enriched granulocyte population leaving purified, untouched peripheral blood eosinophils. Isolated 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

Amount :	1 Vial
Content :	Each cryopreserved vial contains 1 million cells. Preserved in CryoStor [®] , 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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