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# 14-1008: Human Peripheral Blood CD14 Monocytes(Discontinued)

## Description

Peripheral blood CD14+ monocytes originate in the bone marrow and move via the bloodstream to infected or damaged peripheral tissue. Once at the tissue, monocytes differentiate into specific tissue macrophage or dendritic cells. These cells are responsible for phagocytosis of foreign substances in the body and are capable of killing infected host cells via antibody-mediated cellular cytotoxicity.

Human CD14+ monocytes are isolated from peripheral blood mononuclear cells by means of negative selection. Cells expressing CD2, CD3, CD16, CD19, CD20, CD56, CD66b, CD123, and CD235a are depleted from the mononuclear cell population using immunomagnetic particles leaving purified, untouched CD14+ monocytes. Isolated cells are characterized by flow cytometry to ensure a highly pure and viable cell population. Positively selected monocytes are also available as a custom order.

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

## Product Info

| | |
|---|---|
| **Amount :** | 1 Vial |
| **Content :** | Each cryopreserved vial contains 10 million cells. Preserved in CryoStorâ„¢ CS10 (10% DMSO) |
| **Storage condition :** | Immediately upon receipt, store in liquid nitrogen. |

## Application Note

**LIMITED USE RESTRICTIONS:**

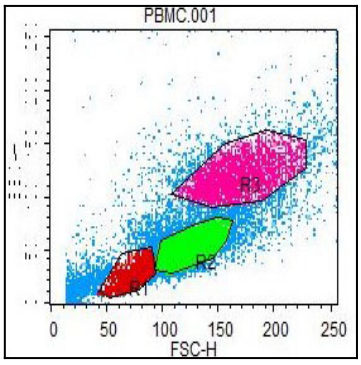
**THIS PRODUCT IS SOLELY FOR IN VITRO RESEARCH USE ONLY. NOT FOR DIAGNOSTIC OR THERAPEUTIC USE.**

**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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