

14-2005: Human Cord Blood CD8+ Cytotoxic T Cells(Discontinued)

Description

Human CD8+ cytotoxic T cells, also known as cytotoxic T lymphocytes, defend the body against intracellular pathogens, such as viruses and bacteria, as well as cancerous cells. CD8+T cells distinguish infected or diseased cells from healthy cells by recognizing antigens presented by MHC class I molecules located on the surface of the inflicted cells. Once the CD8+T cells recognize a specific antigen it releases cytotoxins that result in apoptosis of the infected or diseased cell.

Human cord blood CD8+ cytotoxic T cells are enriched by depleting cells expressing CD4, CD14, CD16, CD19, CD20, CD36, CD56, CD66b, CD123, TCR α/β , and CD235a from the cord blood mononuclear cell population using immunomagnetic particles leaving purified, untouched CD8+ cytotoxic T cells. Isolated cells are characterized by flow cytometry to ensure a highly pure and viable cell population.

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 5 million cells. Preserved in CryoStor [®] , ϕ 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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