

## 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 $\alpha/\beta$ , 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

<b>Amount :</b>	1 Vial
<b>Content :</b>	Each cryopreserved vial contains 5 million cells. Preserved in CryoStor <sup>®</sup> , $\phi$ CS10 (10% DMSO)
<b>Storage condition :</b>	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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