

Product Description

CellsExpress Peripheral Blood Cells are isolated from 10 Billion TNCs peripheral blood Leukopaks.

Peripheral blood mononuclear cells are collected using the Spectra Optia[®] Apheresis System. Acid citrate dextrose (ACD-A) is used as the anticoagulant. Mononuclear cells are enriched from the Leukopak[®] using an RBC lysis protocol. Cells not expressing the cell of interest marker, are depleted from the mononuclear cell population using immunomagnetic particles leaving purified, untouched primary cells as shown on the table below.

Product Code	Description	Isolation Type
BULKCD3ISO	Hu PB CD3+ Bulk Isolation	Negative
BULKCD4ISO	Hu PB CD4+ Bulk Isolation	Negative
BULKCD8ISO	Hu PB CD8+ Bulk Isolation	Negative
BULKCD19ISO	Hu PB CD19+ Bulk Isolation	Negative
BULKCD14ISO	Hu PB CD14+ Bulk Isolation	Negative
BULKCD56ISO	Hu PB CD56+ Bulk Isolation	Negative
BULKPBMNCSISO	Hu PB MNC Bulk Isolation	N/A

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

Cryopreservation

Cryopreserved products allow for prolonged storage before use. Cell products contain 10% DMSO to minimize cell death during freezing. All cryopreserved products are stored in containers designed and tested for ultra-low temperatures at long time intervals. StemExpress advises for CellsExpress Peripheral Blood products to be shipped at cryogenic temperatures utilizing containers such as cryoshippers. Transportation of products can be done on dry ice at the customer's request, but it is not preferred. Visit <https://stemexpress.com/terms-and-conditions/> for more details.

Sample Collection and Processing

All samples are collected on-site at StemExpress Collection Centers. Apheresis donors are transfused with ACD-A during the collection process. Samples are then quickly processed in our on-site laboratory to achieve maximum viability and quality. Cryopreserved cells are frozen at -1°C/minute until -80°C is reached. The cells are then transferred to vapor phase liquid nitrogen freezer.

Infectious disease testing for HIV, HBV, and HCV is performed on a sample of donor blood. Only samples with negative results within 90 days of collection are shipped unless approved by the customer. All testing is performed by a CLIA-certified lab.

Format

Isolated cells are normally frozen in CryoStor[™] CS10 (10% DMSO). StemExpress can also use freezing media as specified by the customer.

Storage

Cryopreserved cells should be maintained at -135°C or colder (in liquid nitrogen). The cells are warranted for twelve months from the date of receipt if stored at -135°C or colder. Storage of cells at -80°C for less than one month should maintain cell viability but is not covered by the warranty.

Thawing Instructions for Cell Products

Refer to our Frequently Asked Questions at stemexpress.com/faqs/ to access our online Thawing Protocol.

Warning

This product contains human tissue or other biological material and MUST be handled at Biosafety Level 2 or higher. All biological products should be treated as potentially infectious or contaminated material, even if infectious disease screening reports are negative. Follow universal precautions and wear appropriate personal protective equipment.

Product Warranty

For our product warranty, please review our Terms and Conditions at stemexpress.com/terms-and-conditions/.

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