

## Cryopreserved Product

### Mobilized Peripheral Blood Mononuclear Cells, G-CSF + Plerixafor

Catalog#	MLEGPMNC005C	5 million cells
	MLEGPMNC015C	15 million cells
	MLEGPMNC025C	25 million cells
	MLEGPMNC050C	50 million cells
	MLEGPMNC100C	100 million cells

## Product Description

Human Mobilized Mononuclear Cells are enriched from Mobilized Leukopaks<sup>®</sup>.

Mobilized Leukopaks are collected using the Spectra Optia<sup>®</sup> Apheresis System from donors that are injected with 10µg/kg/day Granulocyte-Colony Stimulating Factor (G-CSF) and 240µg/kg of Plerixafor the day before collection. Mononuclear cells are enriched from the Mobilized Leukopak using an RBC lysis protocol.

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. We normally ship cryopreserved items on dry ice, but can also use a cryoshipper at the customer's request.

## Sample Collection and Processing

All samples are collected on-site at our Stem Cell Collection Center, or at nearby partner hospitals or clinics. 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 in a -80°C freezer, and then transferred to liquid nitrogen.

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

Mononuclear cells are frozen in CryoStor<sup>™</sup> CS10 (10% DMSO). We 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 "How to thaw StemExpress primary cells for optimal viability?" under our Frequently Asked Questions at [stemexpress.com/faqs/](http://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/](http://stemexpress.com/terms-and-conditions/).

FOR RESEARCH USE ONLY. NOT APPROVED FOR HUMAN OR VETERINARY USE IN VIVO.