Cryopreserved Product
Cord Blood Mononuclear Cells

Catalog#               |     | 15 million cells
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CBMNC015C            |     | CBMNC050C 50 million cells
CBMNC150C            |     | CBMNC200C 200 million cells
CBMNC300C            |     | CBMNC300C 300 million cells

Product Description
Human Umbilical Cord Blood Mononuclear Cells are enriched from whole umbilical cord blood.

Whole umbilical cord blood is needle aspirated from the umbilical cord vein using a cord blood collection bag containing 35 mL of the anticoagulant citrate phosphate double dextrose (CP2D). Mononuclear cells (MNCs) are enriched from the cord blood using a density gradient centrifugation protocol. The buffy coat is collected and washed a minimum of 3 times to remove platelets.

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 at nearby partner hospitals or clinics. 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 cord blood by a CLIA-certified lab.

Format
Isolated cells are normally frozen in CryoStor™ 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 warrantied 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/ 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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