

Clinical Grade Non-Transfusable, Frozen Bone Marrow CD34+ Stem/Progenitor Cells

Catalog#	CBM34000.5C	0.5 million cells
	CBM34001C	1 million cells
	CBM34002C	2 million cells

Clinical Products

StemExpress offers clinically transfusable and clinically non-transfusable products. The collection of these products are the same but the approval process to receive clinically transfusable products requires additional steps. StemExpress processes are in place to only allow shipment of Clinical Grade Transfusable products to companies that have protocols with documented FDA (or relatable international agency) approval. These products will not be used to treat or be transfused to any patients without the associated FDA (or relatable international agency) approved IND and IRB approval.

Product Description

Whole bone marrow is collected from two access sites from the right and left posterior iliac crest using a 30cc syringe containing the anticoagulant Na-Heparin. Bone marrow mononuclear cells are separated from whole bone marrow using components that are manufactured and controlled under an ISO 13485 certified quality system. Using a closed and automated FDA approved cell manufacturing system, CD34+ hematopoietic stem cells (HSCs) are selected from the bone marrow using immunomagnetic anti-CD34 microbeads, leaving highly purified CD34+ stem and progenitor cells. Cell culture procedures, including open manipulation of vials, final filling, and closure of finished products, are performed inside ISO 5 air quality processing chambers.

Human tissue collection protocols are approved by StemExpress' Medical Review Board and Independent Review Board (IRB) in accordance with FDA CFR 21 Part 50 and 56.

Sample Collection and Processing

Clinical Grade Non-Transfusable primary cells are collected using aseptic techniques with FDA approved clinical grade reagents and components that are manufactured and controlled under an ISO 13485 certified quality system.

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. All testing is performed by a CLIA-certified lab.

Format

Frozen Clinical Grade Non-Transfusable primary cells are frozen in StemSpan™ + 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/ 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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