

QUALITY CRYO CD34+ CRYO PBMCS

**Your Source For Quality
Fresh and Cryopreserved
Human Cells**



Shorten the development time for new treatment technologies and cures to reach patients by ordering with StemExpress. We are dedicated to meeting the needs of researchers by providing a reliable and timely source of human-derived blood products

THE PURITY, VIABILITY, AND QUALITY YOU NEED FOR EVERY PRODUCT

- Bone Marrow
- Peripheral Blood
- Mobilized Peripheral Blood
- Cord Blood
- Primary Cells
- Cultured Cells
- Leukopaks
- Adult Tissues
- Maternal Blood

QUALITY CRYOPRESERVED CD34+ CELLS



CD34 represents a well-established marker for human hematopoietic stem and progenitor cells in peripheral blood, bone marrow, and cord blood. CD34+ cells are self-renewing, multipotent stem cells that give rise to all blood cells of the immune system through a process called hematopoiesis. As hematopoietic stem cells progress through hematopoiesis they generate the myeloid and lymphoid lineages. The highly specialized cells that arise from hematopoietic stem cells work collaboratively in defending the body against infection and disease.

- Cells were obtained using Institutional Review Board (IRB) approved consent forms and protocols
- Isolated primary cells characterized by flow cytometry to ensure a highly pure and viable cell population
- Cryopreserved products frozen in 10% DMSO to minimize cell death during freezing

CD34+ PRODUCTS

SKU	Description
CB3400.5C	Cord Blood CD34+ Stem/Progenitor Cells, Single Donor, Frozen, 0.5 million/vial
CB3401C	Cord Blood CD34+ Stem/Progenitor Cells, Single Donor, Frozen, 1 million/vial
CBP3400.5C	Cord Blood CD34+ Stem/Progenitor Cells, Pooled Donors, Frozen, 0.5 million/vial
CBP3401C	Cord Blood CD34+ Stem/Progenitor Cells, Pooled Donors, Frozen, 1 million/vial
PB34000.2C	Peripheral Blood CD34+ Stem/Progenitor Cells, Frozen, 0.2 million/vial
PB34000.5C	Peripheral Blood CD34+ Stem/Progenitor Cells, Frozen, 0.5 million/vial
PB34001C	Peripheral Blood CD34+ Stem/Progenitor Cells, Frozen, 1 million/vial
MLEG34000.2C	Mobilized Peripheral Blood CD34+ Stem Cells, G-CSF, Frozen-0.2 million/vial
MLEG34001C	Mobilized Peripheral Blood CD34+ Stem Cells, G-CSF, Frozen-1 million/vial
MLEG34005C	Mobilized Peripheral Blood CD34+ Stem Cells, G-CSF, Frozen-5 million/vial
MLEG34010C	Mobilized Peripheral Blood CD34+ Stem Cells, G-CSF, Frozen-10 million/vial
MLEG34020C	Mobilized Peripheral Blood CD34+ Stem Cells, G-CSF, Frozen-20 million/vial
MLEGP34000.2C	Mobilized Peripheral Blood CD34+ Stem Cells, G-CSF + Plerixafor, Frozen-0.2 million/vial
MLEGP34001C	Mobilized Peripheral Blood CD34+ Stem Cells, G-CSF + Plerixafor, Frozen-1 million/vial
MLEGP34005C	Mobilized Peripheral Blood CD34+ Stem Cells, G-CSF + Plerixafor, Frozen-5 million/vial
MLEGP34010C	Mobilized Peripheral Blood CD34+ Stem Cells, G-CSF + Plerixafor, Frozen-10 million/vial
MLEGP34020C	Mobilized Peripheral Blood CD34+ Stem Cells, G-CSF + Plerixafor, Frozen-20 million/vial
MLEP34000.2C	Mobilized Peripheral Blood CD34+ Stem Cells, Plerixafor, Frozen-0.2 million/vial
MLEP34001C	Mobilized Peripheral Blood CD34+ Stem Cells, Plerixafor, Frozen-1 million/vial
MLEP34005C	Mobilized Peripheral Blood CD34+ Stem Cells, Plerixafor, Frozen-5 million/vial
MLEP34010C	Mobilized Peripheral Blood CD34+ Stem Cells, Plerixafor, Frozen-10 million/vial
MLEP34020C	Mobilized Peripheral Blood CD34+ Stem Cells, Plerixafor, Frozen-20 million/vial

QUALITY CRYOPRESERVED CORD BLOOD



StemExpress is the only supplier collecting fresh cord blood directly in the maternity ward within 24 hours of birth

What does this mean for research?

- Unprecedented purity and viability
- Consistency to support research projects
- Multiple vials per lot - meaning less variation in material cells
- Optimal animal engraftment timelines
- Reliable cord blood supply so projects are never halted for lack of cells
- Large order fulfillment
- Customizable options
- A02, HLA typing
- Expert technique optimizes the blood obtained from every draw - meaning only the freshest cord blood for research projects

CORD BLOOD PRODUCTS

SKU	Description
CB845RA05C	Cord Blood CD8+CD45RA+ Naïve Cytotoxic T Cells, Frozen, 5 million/vial
CBMNC015C	Cord Blood Mononuclear Cells, Frozen, 15 million/vial
CBMNC050C	Cord Blood Mononuclear Cells, Frozen, 50 million/vial
CBNEU040C	Cord Blood Neutrophils, Frozen, 40 million/vial
CBNEU050C	Cord Blood Neutrophils, Frozen, 50 million/vial
CB445RA005C	Cord Blood CD4+CD45RA+ Naïve Helper T Cells, Frozen, 5 million/vial
CB445RA010C	Cord Blood CD4+CD45RA+ Naïve Helper T Cells, Frozen, 10 million/vial
CB03010C	Cord Blood CD3+ Pan T Cells, Frozen, 10 million/vial
CB04010C	Cord Blood CD4+ Helper T Cells, Frozen, 10 million/vial
CB04015C	Cord Blood CD4+ Helper T Cells, Frozen, 15 million/vial
CB08005C	Cord Blood CD8+ Cytotoxic T Cells, Frozen, 5 million/vial
CB08010C	Cord Blood CD8+ Cytotoxic T Cells, Frozen, 10 million/vial
CB14005C	Cord Blood CD14+ Monocytes, Frozen, 5 million/vial
CB14010C	Cord Blood CD14+ Monocytes, Frozen, 10 million/vial
CB19001C	Cord Blood CD19+ B Cells, Frozen, 1 million/vial
CB36001C	Cord Blood CD36+ Erythroid Progenitor Cells, Frozen, 1 million/vial
CB36002C	Cord Blood CD36+ Erythroid Progenitor Cells, Frozen, 2 million/vial
CB36002.5C	Cord Blood CD36+ Erythroid Progenitor Cells, Frozen, 2.5 million/vial
CB56001C	Cord Blood CD56+ Natural Killer Cells, Frozen, 1 million/vial
CB56002C	Cord Blood CD56+ Natural Killer Cells, Frozen, 2 million/vial
CB56002.5C	Cord Blood CD56+ Natural Killer Cells, Frozen, 2.5 million/vial
CB13300.5C	Cord Blood CD133+ Stem/Progenitor Cells, Single Donor, Frozen, 0.5 million/vial
CBP13300.5C	Cord Blood CD133+ Stem/Progenitor Cells, Pooled Donors, Frozen, 0.5 million/vial
CBP13301C	Cord Blood CD133+ Stem/Progenitor Cells, Pooled Donors, Frozen, 1 million/vial
CBP133N100C	Cord Blood CD133 Depleted Mononuclear Cells, Pooled Donors, Frozen, 100 million/vial
CBP133N200C	Cord Blood CD133 Depleted Mononuclear Cells, Pooled Donors, Frozen, 200 million/vial

CORD BLOOD PLASMA PRODUCTS

CBPL010C	Cord Blood Plasma, Frozen, 10mL
CBPL020C	Cord Blood Plasma, Frozen, 20mL
CBPL030C	Cord Blood Plasma, Frozen, 30mL
CBPL040C	Cord Blood Plasma, Frozen, 40mL

QUALITY CRYOPRESERVED PBMCS



Peripheral Blood Mononuclear Cells (PBMCS) are composed of important components of the immune system; lymphocytes (T cells, B cells, and NK cells), monocytes, dendritic cells, and stem/progenitor cells. These cells play a key role in the humoral and cell-mediated immune responses. PBMCS are separated from peripheral blood by apheresis and characterized by flow cytometry to ensure a highly pure and viable cell population.

PBMCS are commonly used in research and clinical applications in the areas of immunology, infectious disease, hematological malignancies, vaccine development, transplant therapy, and high-throughput screening.

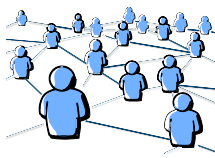
- Cells are obtained using Institutional Review Board (IRB) approved consent forms and protocols
- Cryopreserved products frozen in 10% DMSO to minimize cell death during freezing

PERIPHERAL BLOOD PRODUCTS

PB845RA005C	Peripheral Blood CD8+CD45RA+ Naïve Cytotoxic T Cells, Frozen, 5 million/vial
PB425002C	Peripheral Blood CD4+CD25+ Regulatory T cells, Frozen, 2 million/vial
PBMAC001.5C	Peripheral Blood Monocyte-Derived Macrophages, Frozen, 1.5 million/vial
PBEOS01C	Peripheral Blood Eosinophils, Frozen, 1 million/vial
PBBAS00.2C	Peripheral Blood Basophils, Frozen, 0.2 million/vial
PBBAS00.3C	Peripheral Blood Basophils, Frozen, 0.3 million/vial
PB192700.5C	Peripheral Blood CD19+ CD27+ Memory B Cells, Frozen, 0.5 million/vial
PB192701C	Peripheral Blood CD19+ CD27+ Memory B Cells, Frozen, 1 million/vial
PB192702C	Peripheral Blood CD19+ CD27+ Memory B Cells, Frozen, 2 million/vial
PB1927N00.5C	Peripheral Blood CD19+CD27- Naïve B Cells, Froze, 0.5 million/vial
PB1927N01C	Peripheral Blood CD19+CD27- Naïve B Cells, Frozen, 1 million/vial
PB1927N02C	Peripheral Blood CD19+CD27- Naïve B Cells, Frozen, 2 million/vial
PB56005C	Peripheral Blood CD56+ Natural Killer Cells, Frozen, 5 million/vial
PB08010C	Peripheral Blood CD8+ Cytotoxic T Cells, Frozen, 10 million/vial
PB445RA005C	Peripheral Blood CD4+CD45RA+ Naïve Helper T Cells, Frozen, 5 million/vial
PB04010C	Peripheral Blood CD4+ Helper T Cells, Frozen, 10 million/vial
PB04015C	Peripheral Blood CD4+ Helper T Cells, Frozen, 15 million/vial
PB03020C	Peripheral Blood CD3+ Pan T Cells, Frozen, 20 million/vial
PB03030C	Peripheral Blood CD3+ Pan T Cells, Frozen, 30 million/vial
PB03040C	Peripheral Blood CD3+ Pan T Cells, Frozen, 40 million/vial
PB14010C	Peripheral Blood CD14+ Monocytes, Frozen, 10 million/vial
PB14020C	Peripheral Blood CD14+ Monocytes, Frozen, 20 million/vial
PB14040C	Peripheral Blood CD14+ Monocytes, Frozen, 40 million/vial
PB36001C	Peripheral Blood CD36+ Erythroid Progenitor Cells, Frozen, 1 million/vial
PB36002.5C	Peripheral Blood CD36+ Erythroid Progenitor Cells, Frozen, 2.5 million/vial
PB19010C	Peripheral Blood CD19+ B Cells, Frozen, 10 million/vial
PBMNC015C	Peripheral Blood Mononuclear Cells, Frozen, 15 million/vial
PBMNC025C	Peripheral Blood Mononuclear Cells, Frozen, 25 million/vial
PBMNC050C	Peripheral Blood Mononuclear Cells, Frozen, 50 million/vial

QUALITY CRYOPRESERVED PBMCS

CUSTOM DONOR SCREENING OPTIONS



With seven nationwide collection centers, the StemExpress donor pool is one of the largest HLA-typed and most characterized in the industry. All seven collection centers are FDA registered with on-site state-of-the-art laboratories, providing an end-to-end service whereby cells are processed, isolated, and cryopreserved or shipped out fresh immediately after collection from a donor.

- Broad and diverse donor pool
- 7 FDA registered collection centers across the US
- IRB consented donors
- Broad and/or targeted donor recruitment efforts across 6 states
- Highly effective donor retention protocols
- Strict guidelines and quality standards - ensuring consistent compliant, viable, and pure cells with guaranteed counts

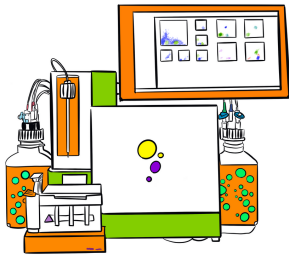
PERIPHERAL BLOOD PRODUCTS (CONT.)

PBMNC100C	Peripheral Blood Mononuclear Cells, Frozen, 100 million/vial
PBMNC300C	Peripheral Blood Mononuclear Cells, Frozen, 300 million/vial
PB445RO05C	Peripheral Blood CD4+CD45RO+ Memory T Cells, Frozen, 5 million/vial
PBIDC01.5C	Peripheral Blood Monocyte-Derived Immature Dendritic Cells, Frozen, 1.5 million/vial

PERIPHERAL BLOOD PLASMA PRODUCTS

PBPLED005C	Peripheral Blood Plasma, Frozen, EDTA, 5mL
PBPLED010C	Peripheral Blood Plasma, Frozen, EDTA, 10mL
PBPLED015C	Peripheral Blood Plasma, Frozen, EDTA, 15mL
PBPLED020C	Peripheral Blood Plasma, Frozen, EDTA, 20mL
PBPLED025C	Peripheral Blood Plasma, Frozen, EDTA, 25mL
PBPLED030C	Peripheral Blood Plasma, Frozen, EDTA, 30mL
PBPLED035C	Peripheral Blood Plasma, Frozen, EDTA, 35mL
PBPLED040C	Peripheral Blood Plasma, Frozen, EDTA, 40mL
PBPLED045C	Peripheral Blood Plasma, Frozen, EDTA, 45mL
PBPLED050C	Peripheral Blood Plasma, Frozen, EDTA, 50mL
PBPLED100C	Peripheral Blood Plasma, Frozen, EDTA, 100mL
PBPLED250C	Peripheral Blood Plasma, Frozen, EDTA, 250mL
PBPLACD010C	Peripheral Blood Plasma, Frozen, ACD-A, 10mL
PBPLACD020C	Peripheral Blood Plasma, Frozen, ACD-A, 20mL
PBPLACD030C	Peripheral Blood Plasma, Frozen, ACD-A, 30mL
PBPLACD040C	Peripheral Blood Plasma, Frozen, ACD-A, 40mL
PBPLACD050C	Peripheral Blood Plasma, Frozen, ACD-A, 50mL
PBPLACD100C	Peripheral Blood Plasma, Frozen, ACD-A, 100mL
PBPLACD150C	Peripheral Blood Plasma, Frozen, ACD-A, 150mL
PBPLACD200C	Peripheral Blood Plasma, Frozen, ACD-A, 200mL
PBPLNAH005C	Peripheral Blood Plasma, Frozen, Na-Heparin, 5mL
PBPLNAH010C	Peripheral Blood Plasma, Frozen, Na-Heparin, 10mL
PBPLNAH015C	Peripheral Blood Plasma, Frozen, Na-Heparin, 15mL
PBPLNAH020C	Peripheral Blood Plasma, Frozen, Na-Heparin, 20mL

QUALITY CRYOPRESERVED PBMCS



CUSTOM IMMUNOPHENOTYPING SERVICES

StemExpress has the ability to develop and immunophenotype single cells by flow cytometry with panels up to 10 colors. Leverage this capability to capture more data from your primary cell collections from a single provider



PERIPHERAL BLOOD PLASMA PRODUCTS

PBPLNAH025C	Peripheral Blood Plasma, Frozen, Na-Heparin, 25mL
PBPLNAH030C	Peripheral Blood Plasma, Frozen, Na-Heparin, 30mL
PBPLNAH035C	Peripheral Blood Plasma, Frozen, Na-Heparin, 35mL
PBPLNAH040C	Peripheral Blood Plasma, Frozen, Na-Heparin, 40mL
PBPLNAH045C	Peripheral Blood Plasma, Frozen, Na-Heparin, 45mL
PBPLNAH050C	Peripheral Blood Plasma, Frozen, Na-Heparin, 50mL
PBPLNAH100C	Peripheral Blood Plasma, Frozen, Na-Heparin, 100mL
PBPLNAH250C	Peripheral Blood Plasma, Frozen, Na-Heparin, 250mL
PBPLSTR005C	Peripheral Blood Plasma, Streck, Frozen, 5mL
PBPLSTR010C	Peripheral Blood Plasma, Streck, Frozen, 10mL
PBPLSTR015C	Peripheral Blood Plasma, Streck, Frozen, 15mL
PBPLSTR020C	Peripheral Blood Plasma, Streck, Frozen, 20mL
PBPLSTR025C	Peripheral Blood Plasma, Streck, Frozen, 25mL
PBPLSTR030C	Peripheral Blood Plasma, Streck, Frozen, 30mL
PBPLSTR035C	Peripheral Blood Plasma, Streck, Frozen, 35mL
PBPLSTR040C	Peripheral Blood Plasma, Streck, Frozen, 40mL
PBPLSTR045C	Peripheral Blood Plasma, Streck, Frozen, 45mL
PBPLSTR050C	Peripheral Blood Plasma, Streck, Frozen, 50mL

PERIPHERAL BLOOD SERUM PRODUCTS

PBSR005C	Peripheral Blood Serum, Frozen, 5mL
PBSR010C	Peripheral Blood Serum, Frozen, 10mL
PBSR015C	Peripheral Blood Serum, Frozen, 15mL
PBSR020C	Peripheral Blood Serum, Frozen, 20mL
PBSR025C	Peripheral Blood Serum, Frozen, 25mL
PBSR030C	Peripheral Blood Serum, Frozen, 30mL
PBSR035C	Peripheral Blood Serum, Frozen, 35mL
PBSR040C	Peripheral Blood Serum, Frozen, 40mL
PBSR045C	Peripheral Blood Serum, Frozen, 45mL
PBSR050C	Peripheral Blood Serum, Frozen, 50mL
PBSR100C	Peripheral Blood Serum, Frozen, 100mL

QUALITY CRYOPRESERVED PBMCS



Mobilized Peripheral Blood Products are isolated from IRB consented donors who have been injected with G-CSF (Granulocyte colony stimulating factor) over 3 to 5 days and/or Plerixafor the day before collection - producing a large number of hematopoietic and progenitor stem cells.

PBMCS are characterized by flow cytometry to ensure a highly pure and viable cell population.

MOBILIZED PERIPHERAL BLOOD PRODUCTS

MLEGMNC005C	Mobilized Peripheral Blood Mononuclear Cells, G-CSF, Frozen-5 million/vial
MLEGMNC015C	Mobilized Peripheral Blood Mononuclear Cells, G-CSF, Frozen-15 million/vial
MLEGMNC025C	Mobilized Peripheral Blood Mononuclear Cells, G-CSF, Frozen-25 million/vial
MLEGMNC050C	Mobilized Peripheral Blood Mononuclear Cells, G-CSF, Frozen-50 million/vial
MLEGMNC100C	Mobilized Peripheral Blood Mononuclear Cells, G-CSF, Frozen-100 million/vial
MLEGPMNC005C	Mobilized Peripheral Blood Mononuclear Cells, G-CSF + Plerixafor, Frozen-5 million/vial
MLEGPMNC025C	Mobilized Peripheral Blood Mononuclear Cells, G-CSF + Plerixafor, Frozen-25 million/vial
MLEGPMNC100C	Mobilized Peripheral Blood Mononuclear Cells, G-CSF + Plerixafor, Frozen-100 million/vial
MLEGPMNC050C	Mobilized Peripheral Blood Mononuclear Cells, G-CSF + Plerixafor, Frozen-50 million/vial
MLEGPMNC015C	Mobilized Peripheral Blood Mononuclear Cells, G-CSF + Plerixafor, Frozen-15 million/vial
MLEPMNC005C	Mobilized Peripheral Blood Mononuclear Cells, Plerixafor, Frozen-5 million/vial
MLEPMNC015C	Mobilized Peripheral Blood Mononuclear Cells, Plerixafor, Frozen-15 million/vial
MLEPMNC025C	Mobilized Peripheral Blood Mononuclear Cells, Plerixafor, Frozen-25 million/vial
MLEPMNC050C	Mobilized Peripheral Blood Mononuclear Cells, Plerixafor, Frozen-50 million/vial
MLEPMNC100C	Mobilized Peripheral Blood Mononuclear Cells, Plerixafor, Frozen-100 million/vial

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