

stemexpress®

CORD BLOOD

Collected fresh in the hospital immediately after birth - meaning unprecedented cell counts and viability



StemExpress Cord Blood

Our umbilical cord blood is the best source for naïve HSC and Progenitor cells. Our procurement and collection steps ensure the highest viability and cell counts by dramatically minimizing the risk of cell death caused by time, transportation, and storage. We have StemExpress techs on-site in the hospital to collect cord blood immediately after birth - meaning our cord blood quality is markedly higher than our competition. Once collected, our hospital-to-lab connections immediately start processing - providing a superior product that is cryopreserved with minimal cell loss.

- ✓ Cord blood is collected in the hospital immediately after birth
- ✓ Custom cell isolations from cord blood available
- ✓ Cord blood will be shipped clot free
- ✓ FDA approved for research and development purposes, including animal/mice *in vivo* research studies, diagnostic testing devices/control development, and the development of new treatments and cures



StemExpress, LLC | www.stemexpress.com
530-303-3828

Cord Blood

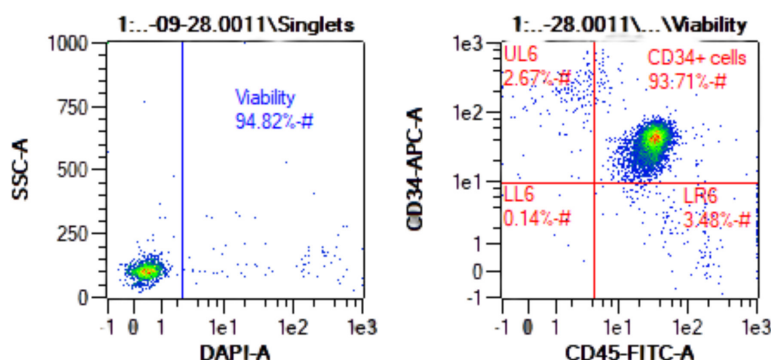
StemExpress provides human umbilical cord blood is needle aspirated from the umbilical cord vein using a collection bag containing 35 mL of the anticoagulant citrate phosphate double dextrose (CPD). Blood can be shipped directly to customers (option within 24hrs of collection) or processed into a specific primary cell population at a StemExpress laboratory.

Unprocessed

- Fresh Umbilical Cord Blood
- Plasma (Single or Mixed)

Primary Cells

- CD34+
- CD133+ Stem and Progenitor Cells (Single or Mixed)
- CD3+ Pan T Cells, CD4+ Helper T Cells, CD8+ Cytotoxic T Cells, CD19+ B Cells, CD14+ Monocytes, CD56+ NK Cells
- Neutrophils
- Other subsets available



Representative flow data of the viability and purity of enriched CD34+ cells from cord blood mononuclear cells prior to cryopreservation

Donor Screening

- Additional screening tests available
- Participating Collection Centers adhere to IRB approved consents and protocols

Donor Criteria

- Additional infectious disease testing (i.e. LCMV)
- HLA, ABO and RhD typing
- Direct cord blood disease screening
- Specific donor demographics (i.e. ethnicity)

Cord Blood Processing

- Custom processing procedures available
- Customizable cell isolations
- Multiple cell types from same donor
- Custom vialing sizes and cell counts
- Positive and negative selection*

*based on cell type

Flexible Shipping Options

- Custom media/buffer
- Customizable packaging options
- Cryo shipping available
- FedEx®, World Courier®

Cord Blood Product list

Product Code	Description	Container	Format	Cell
CBCPD002.5F	Whole Cord Blood -CPD .25B TNC	Bag	Fresh	250M Cells/bag
CBCPD005F	Whole Cord Blood - CPD .5B TNC	Bag	Fresh	500M Cells/bag
CB3400.5C	Cord Blood CD34+ Stem Cells	Cryovial	Cryopreserve & Fresh	.5M Cells/vial
CB13300.5C	Cord Blood CD133+ Stem Cells	Cryovial	Cryopreserve & Fresh	.5M Cells/vial
CBP3400.5C - CBP3401C	Cord Blood Pooled CD34+ Stem Cells	Cryovial	Cryopreserve & Fresh	.5M - 1M Cells/vial
CB34N100C-CB34N300C	Cord Blood MNC negative fraction	Cryovial	Cryopreserve	100 - 300M Cells/vial

ORDERING & SHIPPING

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Questions? Contact us!
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