

Human Cord Blood CD34- Mononuclear Cells

Negatively Selected (Single Donor)

Catalog #	Unit Size (cells/vial)
0234-108S	10-25 x 10 ⁶
0234-200S	100-200 x 10 ⁶

Product Description

Cryopreserved human cord blood MNCs (mononuclear cells), depleted of CD34⁺ cells. These MNCs are depleted of CD34⁺ cells via immunomagnetic cell separation techniques (targeting the CD34 antigen with a CD34⁺ antibody immunomagnetic complex).

Sample Collection and Processing

Umbilical cord blood is collected in a 250 mL collection bag containing CPD (citrate-phosphate-dextrose) anticoagulant (25 mL/bag).

Cord blood is processed from density centrifugation and CD34⁺ cells depleted from the unit.

Maternal donors have been screened to be negative for HIV and HBs Ag.

Cord blood is processed within 24-30 hours of collection.

Stability and Storage

- Cells are cryopreserved in CryoStor® CS5.
- Cells are stable for long-term storage at -152°C or in the gaseous phase of liquid nitrogen.
- Storage at -80°C is not recommended. Once thawed, the cells must be used immediately and have a finite life span in culture.

Thawing Protocol

The thawing protocol can be found on our website at www.reachbio.com/protocols, by emailing techsupport@reachbio.com or by contacting customer service at 1.206.420.0300.

Warning

Primary cells from human sources are a potential biohazard, treat as potentially infectious. All human sourced products should be handled at the Biological Safety Level 2 to minimize exposure of potentially infectious products. If you require further information, please contact your site safety officer.

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