

REACHBIO QUALIFIED™

Human Cord Blood CD133+ Cells

Positively Selected

Catalog #	Unit Size (cells/vial)
02133-001S	0.1 x 10 ⁶
02133-101S	0.2 x 10 ⁶
02133-201S	0.5 x 10 ⁶
02133-301S	1.0 x 10 ⁶

Product Description

Cryopreserved CD133+ cells have been isolated from human cord blood using an immunomagnetic cell separation technique. These cells are positively selected using an antibody that targets the CD133 antigen. Cord blood CD133+ cells are functionally pre-qualified in the CFC (colony-forming cell) assay using ReachBio's ColonyGEL™ methylcellulose-based media. The frequency of myeloid and erythroid progenitors, as well as recommended plating concentration for the CFC assay, are provided for each batch of these REACHBIO QUALIFIED™ cells.

Sample Collection and Processing

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

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

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

Purity

Purity of cord blood CD133+ cells is ≥90% as measured by flow cytometric analysis.

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.

Limited Product Warranty

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