

# Human Bone Marrow CD34<sup>+</sup> Cells

Positively Selected

Catalog #	Unit Size (cells/vial)
0334-001	0.1 x 10 <sup>6</sup>
0334-201	0.5 x 10 <sup>6</sup>
0334-301	1 x 10 <sup>6</sup>

## Product Description

Cryopreserved CD34<sup>+</sup> cells have been isolated from human bone marrow using an immunomagnetic positive selection approach. Bone marrow CD34<sup>+</sup> 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 a recommended plating concentration for the CFC assay, are provided for each batch of these REACHBIO QUALIFIED™ cells (see Certificate of Analysis).

## Sample Collection and Processing

Bone marrow cells are drawn from the posterior iliac crest of normal human donors using a syringe containing anticoagulant. Donors are screened for HIV, HBV and HCV (see Certificate of Analysis).

## Purity

Purity of human bone marrow CD34<sup>+</sup> 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](http://www.reachbio.com/protocols), by emailing [techsupport@reachbio.com](mailto: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

ReachBio LLC warrants only that these products will perform according to established product specifications and makes no warranty as to their utility or fitness for use for any application whatsoever. Seller provides the products to the purchaser with the understanding that the purchaser is solely responsible for determining if the product is suitable for his or her intended application. Seller shall not be liable for any damages or injury to persons or property, arising from the purchase or use of the product, or for any results or failure to obtain results arising out of the use of the products. In addition, Seller shall not be liable for the product after the product expiration date or if the product has been misused, damaged or has otherwise become unusable due to improper storage or handling by purchaser. This warranty is exclusive and limits Seller's liability to the replacement of the product or, at Seller's option, the full credit of the original purchase price.

NO OTHER WARRANTIES OF ANY KIND, EXPRESSED OR IMPLIED, INCLUDING WITHOUT LIMITATION, IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE ARE PROVIDED BY SELLER, AND SELLER SHALL HAVE NO LIABILITY FOR ANY DIRECT, INDIRECT, CONSEQUENTIAL OR INCIDENTAL DAMAGES ARISING OUT OF THE USE, THE RESULTS OF USE, OR THE INABILITY TO USE ANY PRODUCT.

### **THIS PRODUCT IS FOR IN VITRO RESEARCH USE ONLY**

*This product is NOT intended or approved for human or veterinary use, or for use in clinical diagnostic or therapeutic procedures.*