

REACHBIO QUALIFIED™
Human Mesenchymal Stem Cells

Catalog #	Unit Size (cells/vial)
02100	0.5 x 10 ⁶

Product Description

Frozen human bone marrow derived mesenchymal stem cells at a concentration of 5.0E+5 cells/1.0 mL. These cells are typically sold at passage 2 or 3 and may be passaged another 6-8 times.

Human bone marrow derived stromal (mesenchymal) cells can be used for a number of applications including preclinical toxicity testing, the identification of radio-protective compounds and research into the mechanism and treatment of specific bone related conditions including osteoporosis and brittle bone disease. Because these cells can be differentiated into fat cells, stromal/mesenchymal cells may be used in the study of obesity. Compounds that have been tested on stromal/mesenchymal cells include chemotherapeutic agents, immunosuppressive compounds and radio-protective compounds.

Culturing

Plate cells at 5000 per cm² on tissue-culture-treated plasticware. Cells will attach in 2 to 4 hours and will reach approximately 70% confluence within 4 to 6 days, at which point they should be passaged.

Stability and Storage

- Mesenchymal 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 ReachBio's 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

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.

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