

MarrowMAX™ Bone Marrow Medium

Description

MarrowMAX™ Bone Marrow Medium is a ready-to-use, fully supplemented medium developed specifically to support bone marrow and peripheral blood cell culture for *in vitro* cytogenetic analysis of hematological disease. MarrowMAX™ contains a novel stromal cell conditioned medium to optimize growth of bone marrow, peripheral blood and hematopoietic cells in short-term *in vitro* culture. MarrowMAX™ outperforms commercially available formulations supplemented with Giant Cell Tumor (GCT) or PHA-stimulated leukocyte-conditioned media, providing consistent lot-to-lot performance with a higher mitotic index and superior chromosomal morphology.

Product	Catalog No.	Amount	Storage	Shelf Life*
MarrowMAX™ Bone Marrow Medium	12260-014	100 mL	-20°C to -5°C; Protect from light	18 months
	12260-001	500 mL		

* Shelf Life has been determined from Date of Manufacture. Do not use beyond the labeled expiration date.

Intended Use

For *in vitro* diagnostic use.

Important Information

MarrowMAX™ Bone Marrow Medium contains FBS; flocculent debris may develop upon thawing and storage. This material should go into solution with brief, gentle swirling in a 37°C water bath.

Do not use if medium appears cloudy, package has been compromised or the product was received completely thawed.

Safety Information

Read the Safety Data Sheets (SDSs) and follow the handling instructions. Wear appropriate protective eyewear, clothing, and gloves.

Human origin materials are non-reactive (donor level) for anti-HIV 1 & 2, anti-HCV and HBsAg. Handle in accordance with established bio-safety practices.

Use

MarrowMAX™ Bone Marrow Medium consists of an optimized basal medium supplemented with Fetal Bovine Serum (FBS), gentamicin, L-glutamine and a proprietary conditioned medium manufactured using a human bone marrow stromal cell-line and as such does not require further supplementation.

- Thaw MarrowMAX™ Bone Marrow Medium completely at 2°C to 8°C overnight. Mix the thawed medium by gently swirling to ensure homogeneity.
- Avoid thawing MarrowMAX™ Bone Marrow Medium at 37°C, as this may result in formation of a precipitate.
- Once thawed, the unopened bottle of MarrowMAX™ Bone Marrow Medium can be stored at 2°C to 8°C (in the dark) for up to two months within the labeled expiration date.
- For optimal performance, repeated warming/cooling, freeze-thawing, and prolonged exposure to light should be avoided.
- Use 5 mL of MarrowMAX™ Bone Marrow Medium per 5×10^6 bone marrow mononuclear cells.

Related Products

Product	Catalog No.
Lab Armor™ Beads	A12543
KaryoMAX® Colcemid™ Solution, liquid (10 µg/mL), in HBSS	15210
KaryoMAX® Colcemid™ Solution, liquid (10 µg/mL), in PBS	15212
KaryoMAX® Giemsa Stain Solution	10092
Gurr Buffer Tablets (pH 6.8)	10582
Phytohemagglutinin (M Form)	10576
AmnioMAX™ II Complete Medium	11269
AmnioMAX™ C100 Basal Medium	17001
AmnioMAX™ C100 Supplement	12556
AmnioMAX™ C100 Complete Medium Kit Kit Contains: AmnioMAX™ C100 Basal Medium (90 mL) AmnioMAX™ C100 Supplement (15 mL)	12558
PB-MAX™ Karyotyping Medium	12557
Fungizone®, liquid	15290

Explanation of Symbols and Warnings

The symbols present on the product label are explained below:

			
Caution, consult accompanying documents	<i>In vitro</i> diagnostic medical device	Sterilized using aseptic processing techniques	Keep away from light
			
Use By:	Catalog number	Manufacturer	Batch Code
			
European Community	Consult instructions for use	Temperature Limitation	

Each manufactured lot of MarrowMAX™ Bone Marrow Medium is performance tested on primary normal bone marrow cells to ensure product performance for *in vitro* diagnostic use for this application.

Each clinician/scientist must make an independent judgment on whether this medium is suitable for use in *In Vitro Diagnostic* applications conducted in their laboratory. Life Technologies does not guarantee the successful outcome of any diagnostic testing based solely on the use of GIBCO® medium. Life Technologies contribution to these procedures is simply at the step of providing a culture or handling medium for these procedures.

Limited Use Label License No.337: Human Stromal Cell Line Conditioned Media

Notice to Purchaser: This product is subject of claims in US and foreign Patents owned by the Fred Hutchinson Cancer Research Center. Purchase of this product conveys to the buyer only the non-transferable right under these patents to use the product in the research conducted by the buyer. The buyer cannot sell or otherwise transfer this product or any derivatives thereof to a third party. The buyer cannot use this product, or any derivatives thereof, for any *in vivo* diagnostic or clinical use in humans. Purchaser may use the product for the manufacture of products for diagnostic and biopharmaceutical use but not for use in *in vivo* diagnostic or clinical application in humans. Fred Hutchinson Cancer Research Center and Life Technologies, Inc. reserve all other rights, and this product may not be used in any manner other than provided herein. In particular, without prior written agreement between the buyer and Life Technologies, Inc. no rights under these above patents are conveyed to the buyer to use the product in manufacturing, or to resell the product or components of the product as a stand alone reagent or in a kit, whether or not such standalone reagent is resold or such kit is resold for use in research. If the purchaser is not willing to accept the limitations of this Label License, Life Technologies Corp. is willing to accept return of the product with full refund. For information on purchasing a license to this product for purposes other than research contact the Fred Hutchinson Cancer Research Center, 1100 Fairview Avenue N. C2M-027, Seattle, WA 98104 if such use is *in vivo* diagnostic or clinical use in humans. If such use is for the manufacture of a product for use in an *in vivo* diagnostic or as a pharmaceutical product, please contact Life Technologies.

Limited Product Warranty

Life Technologies Corporation and/or its affiliate(s) warrant their products as set forth in the Life Technologies' General Terms and Conditions of Sale found on Life Technologies' website at www.lifetechnologies.com/termsandconditions. If you have any questions, please contact Life Technologies at www.lifetechnologies.com/support.

For additional technical information such as Safety Data Sheets (SDS), Certificates of Analysis, visit www.lifetechnologies.com/support
For further assistance, email techsupport@lifetech.com

© 2014 Life Technologies Corporation. All rights reserved. The trademarks mentioned herein are the property of Life Technologies Corporation and/or its affiliate(s) or their respective owners. Lab Armor is a registered trademark of Lab Armor, LLC. Fungizone is a registered trademark of E.R. Squibb & Sons, LLC.

LIFE TECHNOLOGIES CORPORATION AND/OR ITS AFFILIATE(S) DISCLAIM ALL WARRANTIES WITH RESPECT TO THIS DOCUMENT, EXPRESSED OR IMPLIED, INCLUDING BUT NOT LIMITED TO THOSE OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, OR NON-INFRINGEMENT. TO THE EXTENT ALLOWED BY LAW, IN NO EVENT SHALL LIFE TECHNOLOGIES AND/OR ITS AFFILIATE(S) BE LIABLE, WHETHER IN CONTRACT, TORT, WARRANTY, OR UNDER ANY STATUTE OR ON ANY OTHER BASIS FOR SPECIAL, INCIDENTAL, INDIRECT, PUNITIVE, MULTIPLE OR CONSEQUENTIAL DAMAGES IN CONNECTION WITH OR ARISING FROM THIS DOCUMENT, INCLUDING BUT NOT LIMITED TO THE USE THEREOF.

www.lifetechnologies.com

 life technologies™