

MesenCult™-XF Medium

Defined, xeno-free medium for human mesenchymal stem cells

Catalog #05420 500 mL
Catalog #05429 1 Kit



Scientists Helping Scientists™ | WWW.STEMCELL.COM

TOLL FREE PHONE 1 800 667 0322 • PHONE +1 604 877 0713
INFO@STEMCELL.COM • TECHSUPPORT@STEMCELL.COM
FOR GLOBAL CONTACT DETAILS VISIT OUR WEBSITE

Product Description

MesenCult™-XF Medium is a standardized, xeno-free, serum-free medium for the culture of human mesenchymal stem and progenitor cells (MSCs). MesenCult™-XF Medium is optimized for the expansion of bone marrow-derived human mesenchymal stem cells in vitro as well as their enumeration using the colony-forming unit - fibroblast (CFU-F) assay. MesenCult™ XF Medium supports long-term growth of MSCs and cells maintain multi-lineage differentiation potential.

MesenCult™-XF Medium must be used in conjunction with the MesenCult™-SF Attachment Substrate (Catalog #05424) and Animal Component-Free Cell Dissociation Kit (Catalog #05426). Components of MesenCult™-SF Attachment Substrate and Animal Component-Free Cell Dissociation Kit are tested for optimal cell adherence when cells are cultured with MesenCult™-XF Medium.

NOTE: Complete MesenCult™-XF Medium must be supplemented with L-Glutamine (Catalog #07100); see Directions for Use.

Ordering Information

PRODUCT NAME	CATALOG #	SIZE	COMPONENTS
MesenCult™-XF Medium*	05420	500 mL	• MesenCult™-XF Basal Medium • MesenCult™-XF Supplement (5X)
MesenCult™-SF Culture Kit	05429	1 Kit	• MesenCult™-XF Basal Medium • MesenCult™-XF Supplement (5X) • MesenCult™-SF Attachment Substrate

*Complete MesenCult™-XF Medium must be supplemented with L-Glutamine (Catalog #07100).

Component Storage and Stability

COMPONENT NAME	COMPONENT #	SIZE	STORAGE	SHELF LIFE
MesenCult™-XF Basal Medium†	05421	400 mL	Store at 2 - 8°C.	Stable for 12 months from date of manufacture (MFG) on label.
MesenCult™-XF Supplement (5X)*†	05422	100 mL	Store at -20°C.	Stable for 12 months from date of manufacture (MFG) on label.
MesenCult™-SF Attachment Substrate*	05424	5 mg	Store at 2 - 8°C	Stable until expiry date (EXP) on label.

*This product contains material derived from human plasma. Donors have been tested and found negative for HIV-1 and -2, hepatitis B, and hepatitis C prior to donation. However, this product should be considered potentially infectious and treated in accordance with universal handling precautions.

†This component is sold as part of MesenCult™-XF Medium (Catalog #05420) and is not available for individual sale.

Directions for Use

Use sterile techniques to prepare complete MesenCult™-XF Medium (Basal Medium + Supplement + L-Glutamine). The following example is for preparing 500 mL of complete medium. If preparing other volumes, adjust accordingly.

NOTE: Complete MesenCult™-XF Medium should be prepared in volumes that can be **used within 5 days**.

1. Thaw MesenCult™-XF Supplement (5X) at 2 - 8°C overnight. Mix thoroughly.

NOTE: Once thawed, use immediately or aliquot and store at -20°C. Do not exceed the shelf life of the supplement. After thawing the aliquots, use immediately. Do not re-freeze.

2. Add 100 mL of Supplement to 400 mL of Basal Medium. Mix thoroughly.
3. Add L-Glutamine (Catalog #07100) to a final concentration of 2 mM. Mix thoroughly.

NOTE: If not used immediately, store complete MesenCult™-XF Medium at 2 - 8°C for up to 5 days.

For more information on culturing human MSCs with MesenCult™-XF Medium, refer to the Technical Manual: Culture of Human Mesenchymal Stem Cells Using MesenCult™-XF Medium (Document #29184) available on our website at www.stemcell.com or contact us to request a copy.

STEMCELL TECHNOLOGIES INC.'S QUALITY MANAGEMENT SYSTEM IS CERTIFIED TO ISO 13485. PRODUCTS ARE FOR RESEARCH USE ONLY AND NOT INTENDED FOR HUMAN OR ANIMAL DIAGNOSTIC OR THERAPEUTIC USES UNLESS OTHERWISE STATED.

Copyright © 2017 by STEMCELL Technologies Inc. All rights reserved including graphics and images. STEMCELL Technologies & Design, STEMCELL Shield Design, Scientists Helping Scientists, and MesenCult are trademarks of STEMCELL Technologies Canada Inc. All other trademarks are the property of their respective holders. While STEMCELL has made all reasonable efforts to ensure that the information provided by STEMCELL and its suppliers is correct, it makes no warranties or representations as to the accuracy or completeness of such information.