



Mitomycin C Treated Normal Human Fibroblasts (MCFibs®) Specification Sheet

Lifeline's MCFibs® provide an ideal cell system to establish human feeder layers for the culture of embryonic stem cells or other cell types requiring a feeder layer for optimal proliferation.

MCFibs are quality tested in FibroLife® Serum-Free Medium to ensure high viability and plating efficiency. MCFibs can be cultured in FibroLife Serum-Free Medium without exposure to undefined serum, antimicrobials, or phenol red, removing the negative impact that these supplements may have on experimental results. MCFibs are ready for use and may be plated directly onto gelatin coated culture vessels. Lifeline's MCFibs also reduce the need for researchers to store toxic mitomycin C in their laboratory.

CELL FEATURES:	
•	MCFibs are cryopreserved after secondary culture and treatment with mitomycin C.
•	MCFibs remain viable and attached in serum-free, animal protein-free, phenol red-free, and antimicrobial-free medium.
•	MCFibs are extensively tested for quality and optimal performance.
•	MCFibs are ready to use.
•	MCFibs are pretreated to help reduce toxic agents in your lab.
•	Lifeline guarantees performance and quality.
•	MCFibs are tested for suitability as feeder layers for human embryonic stem cell cultures.

Quality Testing for Guaranteed Consistency and Reproducible Results

Lifeline Cell Technology manufactures products using the highest quality raw materials and incorporates extensive quality assurance in every production run. Exacting standards and production procedures ensure consistent performance.

MCFibs ARE TESTED FOR:	
• Cell Count	3,000,000 cryopreserved cells per vial
• Serum-Free	MCFibs are cultured in FibroLife Serum-Free Medium to qualify their use as feeder layers in a serum-free system
• Feeder Layer	MCFibs are used to culture embryonic stem cells for two passages to qualify their use as feeder layers
• Morphology	Normal cell appearance without mitotic activity
• Cell Viability	Minimum 50% viability when thawed from cryopreservation
• Sterility Testing	Negative for mycoplasma Negative for bacterial and fungal growth
• Virus Testing	Negative for HIV-1, HIV-2, HBV, and HCV by PCR

To place an order, please visit lifelinecelltech.com or call technical and customer service at 877.845.7787.

The Lifeline® Guarantee

Lifeline's rigorous quality control ensures sterility and performance to standardized testing criteria. If Lifeline's products do not meet our posted performance and quality standards, we will replace them at no charge or provide a full refund. Upon request, Lifeline will provide lot specific QC test results, material safety data sheets, and certificates of analysis. See complete guarantee/warranty statement at lifelinecelltech.com or contact your Lifeline representative for more information.

Safety Statement

This product is for Research Use Only. This product is not approved for human or veterinary use, or for use in *in vitro* diagnostic or clinical procedures.

Lifeline recommends storing cryopreserved vials in liquid nitrogen vapor phase. Handle cryopreserved vials with caution. Always wear eye protection and gloves when working with cell cultures. Aseptically vent any nitrogen from cryopreserved vials in a biosafety cabinet prior to thawing the vials in a water bath. If vials must be stored in liquid phase, the vials should be transferred to vapor phase storage or -80°C for up to 24 hours prior to being thawed.

PRODUCT INFORMATION:	
Part #	Description
FC-0002	MCFibs, Mitomycin C Treated Normal Human Fibroblasts – 3,000,000 cells per vial
LL-0001	FibroLife® Serum-Free Medium Complete Kit (FibroLife Basal Medium, FibroLife Serum-Free LifeFactors® Kit)
LL-0011	FibroLife S2 Medium Complete Kit (FibroLife Basal Medium, FibroLife S2 LifeFactors Kit)
LM-0013	FibroLife Xeno-Free Complete Medium (500 mL)
LM-0018	FibroLife Xeno-Free Complete Medium (100 mL)

Call Lifeline Technical Service and Sales at 877.845.7787
or visit lifelinecelltech.com for more information

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