

FibroLife® Xeno-Free Complete Cell Culture System Specification Sheet



FibroLife Xeno-Free Complete Cell Culture System

FibroLife Xeno-Free^S Complete Medium is a variation of our FibroLife Cell Culture Medium optimized for culture of fibroblasts without the use of animal-derived components. FibroLife Xeno-Free supports the growth of these cells in a 2% human serum environment at rates equal to or greater than comparable media supplemented with 2 to 10% FBS.

FibroLife Xeno-Free Complete Medium contains all the necessary growth factors to support fibroblast growth. However, FibroLife Xeno-Free Complete Medium contains no antimicrobials and no

phenol red. A vial of Xeno-Free Penicillin/Streptomycin (XF-PS) is included in FibroLife Xeno-Free Complete Culture Kit (LL-0048) for your convenience. Xeno-Free phenol red is not available at this time.

FibroLife Xeno-Free provides an ideal cell system to establish Xeno-Free human feeder layers for stem cell culture or as a model to study wound healing, toxicology, or basic cell biology. **FibroLife Xeno-Free Complete Medium is offered as a fully supplemented frozen medium with extended shelf life of up to 2 years.**

Product	Part No.	Volume	Storage
FibroLife Xeno-Free Complete Medium	LM-0013	500 mL	-20°C until ready to use. Thaw and store at 2-8°C for up to 1 month.
Components of FibroLife Xeno-Free Complete Medium			
Xeno-Free Growth Factors	Concentration	Xeno-Free Growth Factors	Concentration
L-Glutamine	7.5 mM	rh FGF basic	5 ng/mL
Hydrocortisone Hemisuccinate	1 µg/mL	rh EGF	5 ng/mL
Ascorbic Acid	50 µg/mL	rh TGF-β1	30 pg/mL
Insulin	5 µg/mL	Human Serum	2%

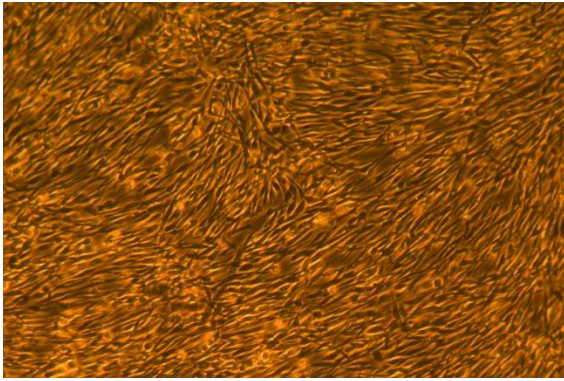
Xeno-Free Kits	Part No.	Unit	Storage
FibroLife Xeno-Free Complete Culture Kit	LL-0048	Kit	Store as per each item's label.
FibroLife Xeno-Free Complete Medium	LM-0013	500 mL	-20°C
Phosphate Buffered Saline (Xeno-Free)	CM-0001	500 mL	Room Temperature
Trypsin/EDTA Xeno-Free	CM-0046	100 mL	-20°C
Trypsin Neutralizing Solution Xeno-Free	CM-0047	100 mL	-20°C
FrostaLife™ Xeno-Free Cryopreservation Solution	LM-0019	100 mL	-20°C
Xeno-Free Antimicrobial Supplement: Penicillin/Streptomycin (XF-PS)	LS-1073	1 mL	-20°C Penicillin 10,000 Units/mL Streptomycin 10,000 µg/mL
Xeno-Free Fibroblast Starter Kit (Contains one of: LL-0048, and FC-0037)	LL-0049	Kit	Store as per each item's label.
TrypKit™ Xeno-Free (Contains one of: CM-0001, CM-0046, and CM-0047)	LL-0043	Kit	Store as per each item's label.

Quality Testing for Guaranteed Consistency and Reproducible Results

Lifeline Cell Technology manufactures products using the highest quality raw materials and incorporates ISO style quality assurance in every production run. Exacting standards and production procedures ensure lot-to-lot consistency. Every production lot of FibroLife Xeno-Free Complete Medium is extensively tested using human fibroblasts.

- Sterility Testing Negative for bacterial and fungal growth
- pH 7.5 ±0.3
- Cell Testing Rate of proliferation and morphology
- Osmolality 275 ±15 mOsm
- Endotoxin < 2 EU/mL

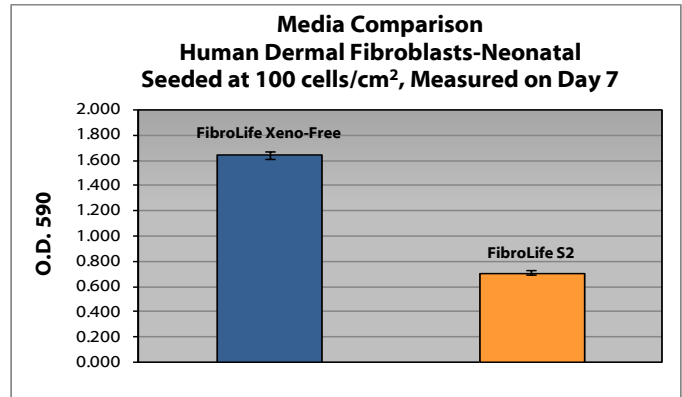
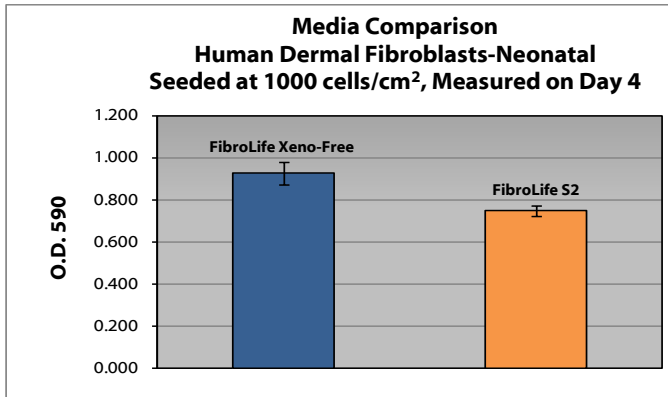
To place an order, please visit lifelinecelltech.com or call technical and customer service at 877.845.7787.



FibroLife® Xeno-Free[§] Complete Medium grows fibroblasts at rates that exceed other commercially available media containing animal-derived components while maintaining excellent cell morphology. In comparison with FibroLife S2, which outperforms other commercially available fibroblast media, FibroLife Xeno-Free shows superior proliferation at different seeding densities.

Shown left: Human Dermal Fibroblasts-Neonatal, passage 2, 5 days after inoculation with 2,000 cells/cm² (100X).

Shown below: Human Dermal Fibroblasts-Neonatal inoculated at low seeding densities in 24-well plates. Higher O.D. 590 represents a greater number of cells per well and therefore better proliferation.



The Lifeline® Guarantee

Lifeline's rigorous quality control ensures sterility and performance to standardized testing criteria. 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.

Innovative Packaging Features

Lifeline has made significant improvements to traditional medium packaging.

- The specially designed shrink label works as a light barrier to help protect medium from light damage.
- A barrier sleeve helps protect the medium from contaminants found in the water bath.
- Lifeline is an environmentally friendly company. Our cell culture media bottles are recyclable and we ship all products with biodegradable packing material.
- Frozen and completely supplemented medium provides ease of use and extended shelf life.

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* diagnostics or clinical procedures.

This product contains human serum and should be handled as potentially infectious material. While the human serum used in this product has been tested, no known test method can guarantee the absence of Hepatitis B virus, Hepatitis C virus, HIV-1, HIV-2 or other infectious agents. All products which contain or have contacted human blood based products should be handled as Biosafety Level 2 (cdc.gov) and according to the Bloodborne Pathogen Standard 29 CFR 1910.1030 and should not be recycled.

[§]Lifeline documents that all materials used in the manufacture of products which are labeled 'Xeno-Free' have never come into contact with material of animal (non-human) origin and are not of animal (non-human) origin. FibroLife Xeno-Free Complete Medium contains human serum.

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

Lifeline Cell Technology – 8415 Progress Drive, Suite T – Frederick, MD 21701

©2016 Lifeline Cell Technology. All Rights Reserved