

## FibroLife® Serum-Free Cell Culture Medium Specification Sheet



### FibroLife Serum-Free Cell Culture Medium

FibroLife Serum-Free is a defined medium optimized for the serum-free culture of fibroblasts. FibroLife supports the growth of these cells in a serum-free environment at rates equal to or greater than media supplemented with 2 to 10% FBS. FibroLife Basal Medium contains no antimicrobials and no phenol red. Lifeline offers antimicrobials and phenol red; however, they are not required for eukaryotic cell proliferation. FibroLife Serum-Free provides a perfect cell system to establish serum-free human feeder layers for stem cell culture or as a model to study wound healing, toxicology or basic cell biology.

### FibroLife Serum-Free Cell Culture Medium Components

FibroLife Serum-Free is offered in a kit format composed of basal medium and associated supplements and growth factors called "LifeFactors®." This kit allows you to prepare fresh medium in your laboratory, extending shelf life and enhancing performance. FibroLife Basal Medium is provided in a light-protected 500 mL bottle. The remaining LifeFactors (growth factors and supplements) are packaged in a convenient gas-impermeable pouch for easy storage.

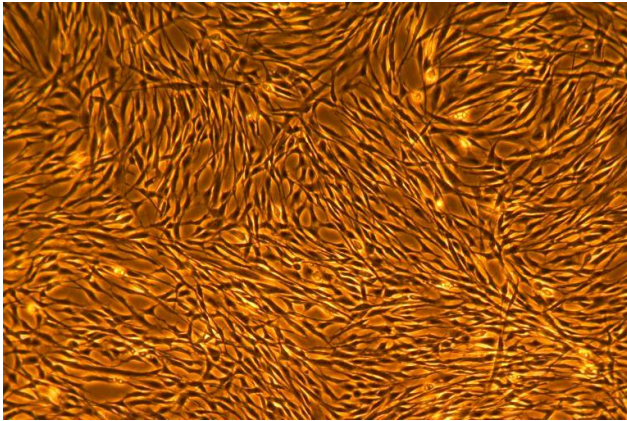
Product	Part No.	Volume	Final Concentrations in Supplemented Medium	Storage
<b>FibroLife Serum-Free Medium Complete Kit, (FibroLife Basal Medium, FibroLife Serum-Free LifeFactors Kit)</b>	<a href="#">LL-0001</a>			2-8°C when prepared
<b>FibroLife Basal Medium</b>	<a href="#">LM-0001</a>	480 mL		2-8°C
<b>FibroLife Serum-Free LifeFactors Kit</b>	<a href="#">LS-1010</a>			-20°C
HLL Supplement LifeFactor	<a href="#">LS-1001</a>	1.25 mL	HSA-500 µg/mL Linoleic Acid-0.6 µM Lecithin-0.6 µg/mL	-20°C
rh FGF basic LifeFactor	<a href="#">LS-1002</a>	0.5 mL	5 ng/mL	-20°C
rh EGF/TGF β 1 LifeFactor	<a href="#">LS-1003</a>	0.5 mL	5 ng/mL, 30 pg/mL	-20°C
rh Insulin LifeFactor	<a href="#">LS-1004</a>	0.5 mL	5 µg/mL	-20°C
Ascorbic Acid LifeFactor	<a href="#">LS-1005</a>	0.5 mL	50 µg/mL	-20°C
L-Glutamine LifeFactor	<a href="#">LS-1006</a>	18.75 mL	7.5 mM	-20°C
Hydrocortisone Hemisuccinate LifeFactor	<a href="#">LS-1007</a>	0.5 mL	1 µg/mL	-20°C
Antimicrobial Supplement: Gentamicin and Amphotericin B (Provided with purchase of LL-0001)	<a href="#">LS-1104</a>	0.5 mL	Gentamicin 30 µg/mL Amphotericin B 15 ng/mL	-20°C
Optional Supplements	Part No.	Volume	Concentrations of Supplement	Storage
Phenol Red Supplement	<a href="#">LS-1009</a>	1 mL	33 mM	RT

### 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 Serum-Free Medium is extensively tested using human fibroblasts. FibroLife Serum-Free Medium and Gentamicin-Amphotericin B (LS-1104) are cell culture tested separately.

- Sterility Testing Negative for bacteria and fungal growth
- pH 7.4 +/- 0.2
- Cell Testing Rate of proliferation and morphology
- Osmolality 270 +/- 10 mOsm
- Endotoxin < 0.5 EU/mL

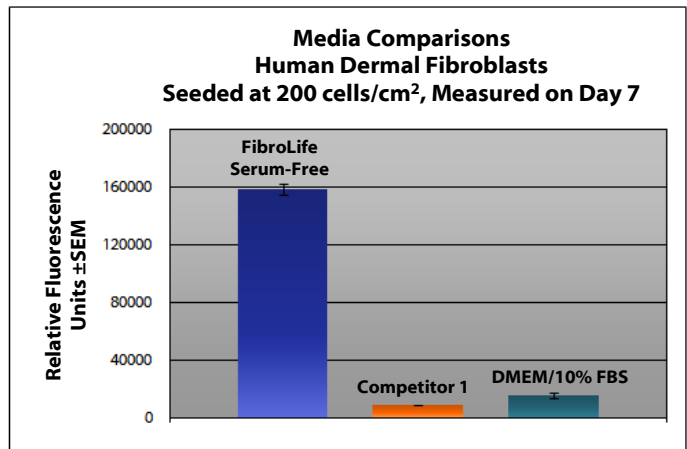
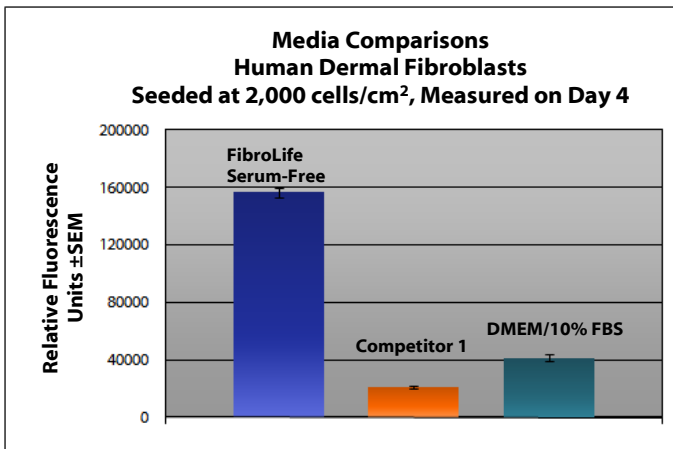
To place an order, please visit [lifelinecelltech.com](http://lifelinecelltech.com) or call technical and customer service at 877.845.7787.



FibroLife® Serum-Free Medium grows human fibroblasts at rates that meet or exceed other commercially available serum-containing and serum-free media while maintaining excellent cell morphology.

Shown left: Human Dermal Fibroblasts-Neonatal, passage 2, 6 days after inoculation with 2,000 cells/cm<sup>2</sup> (100X).

Shown below: Human Dermal Fibroblasts-Neonatal inoculated at low seeding densities in 24-well plates. Higher fluorescence 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](http://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.

### 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.

**Call Lifeline Technical Service and Sales at 877.845.7787**  
or visit [lifelinecelltech.com](http://lifelinecelltech.com) for more information

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

©2016 Lifeline Cell Technology. All Rights Reserved