

Specification Sheet

FibroLife™ Serum-Free Cell Culture Medium

LL-0001

LM-0001

LS-1010



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.



LIFELINE®
CELL TECHNOLOGY

Better Solutions for
Breakthrough Results

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

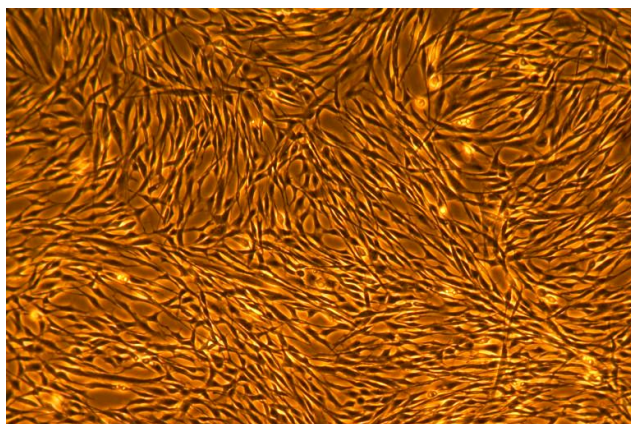
FibroLife Serum-Free is offered in a kit format composed of basal medium and associated supplements and growth factors called “LifeFactors™.” This kit allows you to prepare fresh medium in your laboratory, extending shelf life and enhancing performance. FibroLife Basal Medium is provided in a light-protected 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
FibroLife Serum-Free Medium Complete Kit, (FibroLife Basal Medium, FibroLife Serum-Free LifeFactors Kit)	LL-0001			2-8°C when prepared
FibroLife Basal Medium	LM-0001	480 mL		2-8°C
FibroLife Serum-Free LifeFactors Kit	LS-1010			-20°C
HLL Supplement LifeFactor	LS-1001	1.25 mL	HSA-500 µg/mL Linoleic Acid-0.6 µM Lecithin-0.6 µg/mL	-20°C
rh FGF basic LifeFactor	LS-1002	0.5 mL	5 ng/mL	-20°C
rh EGF/TGF β 1 LifeFactor	LS-1003	0.5 mL	5 ng/mL, 30 pg/mL	-20°C
rh Insulin LifeFactor	LS-1004	0.5 mL	5 µg/mL	-20°C
Ascorbic Acid LifeFactor	LS-1005	0.5 mL	50 µg/mL	-20°C
L-Glutamine LifeFactor	LS-1006	18.75 mL	7.5 mM	-20°C
Hydrocortisone Hemisuccinate LifeFactor	LS-1007	0.5 mL	1 µg/mL	-20°C
Antimicrobial Supplement: Gentamicin and Amphotericin B (Provided with purchase of LL-0001)	LS-1104	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	LS-1009	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.

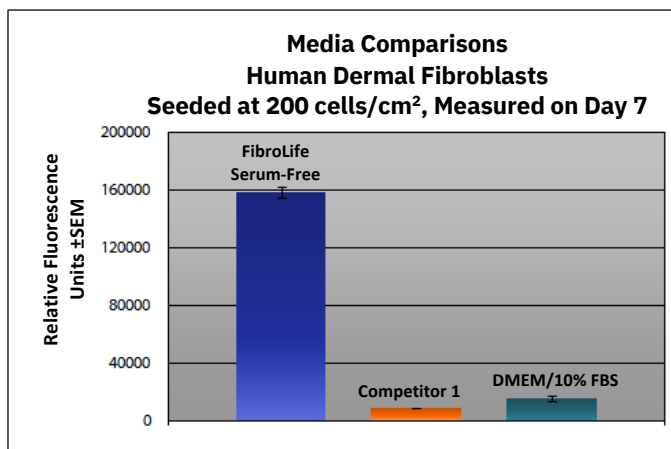
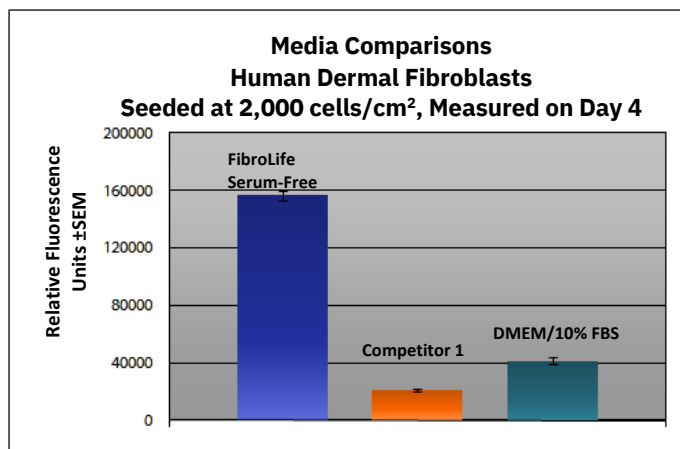
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|---------------------|--|--------------|-----------------|
| • Sterility Testing | Negative for bacterial and fungal growth | • Osmolality | 270 +/- 10 mOsm |
| • pH | 7.4 +/- 0.2 | • Endotoxin | < 0.5 EU/mL |
| • Cell Testing | Rate of proliferation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



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/cm² (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 or contact your Lifeline representative for more information.



Call Lifeline Technical Service and Sales at **877.845.7787**

Or visit **lifelinecelltech.com** for more information

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