

ReproLife™ Female Reproductive Epithelial Cell Culture Medium Specification Sheet



ReproLife Cell Culture Medium

ReproLife is a new medium optimized for the culture of Normal Human Female Reproductive Epithelial Cells: Endometrial (Uterine) Epithelial Cells (HEuEC), Fallopian Tube Epithelial Cells (HFTEC), and Vaginal Epithelial Cells (HVEC). ReproLife supports the growth of HEuEC and HFTEC over a period of at least 5 population doublings and HVEC over a period of at least 10 population doublings.

ReproLife Basal Medium contains no antimicrobials and no phenol red. Lifeline offers antimicrobials and phenol red; however they are not required for eukaryotic cell proliferation.

ReproLife Cell Culture Medium Components

ReproLife is offered in a kit format composed of basal medium and associated supplements and growth factors called "LifeFactors®." This kit allows preparation of fresh medium in your laboratory, extending shelf life and enhancing performance. ReproLife 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.

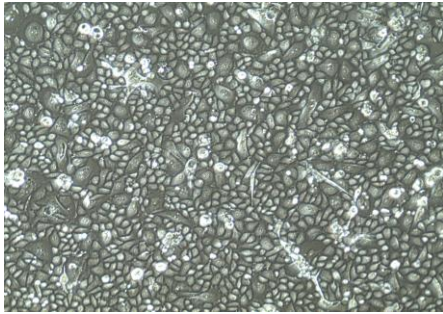
Product	Part No.	Volume	Final Concentrations in Supplemented Medium	Storage
ReproLife Medium Complete Kit, (ReproLife Basal Medium, ReproLife LifeFactors Kit)	LL-0068			2-8°C when prepared
ReproLife Basal Medium	LM-0044	485 mL		2-8°C
ReproLife LifeFactors Kit	LS-1097			-20°C
L-Glutamine LifeFactor	LS-1031	15 mL	6 mM	-20°C
Epinephrine LifeFactor	LS-1032	0.5 mL	1 µM	-20°C
Hydrocortisone Hemisuccinate LifeFactor	LS-1039	0.5 mL	100 ng/mL	-20°C
rh EGF LifeFactor	LS-1046	1 mL	10 ng/mL	-20°C
Extract P™ LifeFactor	LS-1094	4 mL	0.8%	-20°C
Apo-Transferrin LifeFactor	LS-1095	1 mL	10 µg/mL	-20°C
rh Insulin LifeFactor	LS-1096	1 mL	10 µg/mL	-20°C
Antimicrobial Supplement: Gentamicin and Amphotericin B (Provided with purchase of LL-0068)	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

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

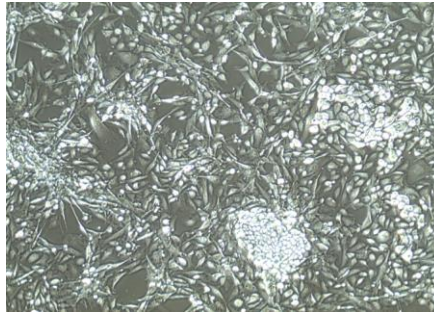
Quality Testing for Guaranteed Consistency and Reproducible Results

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 ReproLife™ Medium is extensively tested using Human Female Reproductive Epithelial Cells. ReproLife Medium and Gentamicin-Amphotericin B (LS-1104) are cell culture tested separately.

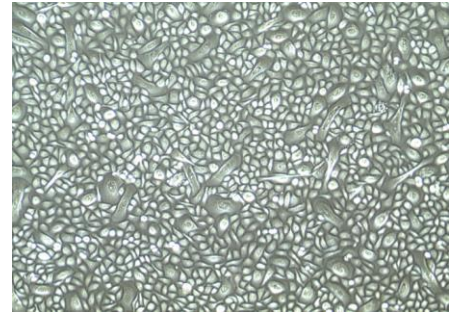
- Sterility Testing Negative for bacteria and fungal growth
- pH 7.5 +/- 0.2
- Cell Testing Rate of proliferation and morphology
- Osmolality 315 +/- 10 mOsm
- Endotoxin < 0.5 EU/mL



HEuEC, passage 4, 7 days after inoculation with 6,150 cells/cm² (100X).



HFTEC, passage 4, 11 days after inoculation with 8,880 cells/cm² (100X).



HVEC, passage 4, 5 days after inoculation with 7,950 cells/cm² (100X).

ReproLife Medium grows Endometrial (Uterine) Epithelial Cells (HEuEC) and Fallopian Tube Epithelial Cells (HFTEC) through at least 5 population doublings, while maintaining excellent cell morphology. ReproLife Medium grows Vaginal Epithelial Cells (HVEC) through at least 10 population doublings, while maintaining excellent cell morphology.

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.

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 for more information

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