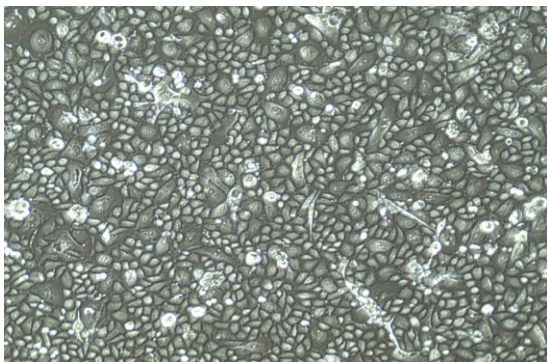
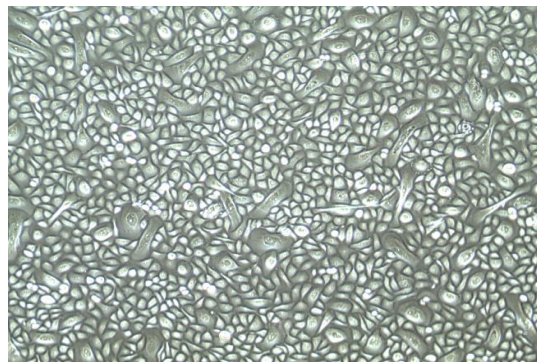


## Normal Human Female Reproductive Epithelial Cells Specification Sheet

Human Endometrial (Uterine) Epithelial Cells (HEuEC)  
Human Vaginal Epithelial Cells (HVEC)



HEuEC, passage 4, 7 days after inoculation  
with 6,150 cells/cm<sup>2</sup> (100X).



HVEC, passage 4, 5 days after inoculation  
with 7,950 cells/cm<sup>2</sup> (100X).

CELL FEATURES:	ISOLATED FROM:	CRYOPRESERVED AT THE END OF:
• HEuEC	• Endometrial layer of the uterus	• Tertiary Culture*
• HVEC	• Luminal surface of the vaginal canal	• Tertiary Culture*
• HEuEC, and HVEC provide an ideal model for the study of female reproductive tract cancer development, the cellular response to infectious agents, among other areas of research.		
• HEuEC, and HVEC are extensively tested for quality and optimal performance.		
• Lifeline guarantees performance and quality.		

HUMAN FEMALE REPRODUCTIVE EPITHELIAL CELLS ARE TESTED FOR:	
Cell Count	500,000 cryopreserved cells per vial
Proliferation and Morphology	Normal morphology for 5 population doublings for HEuEC Normal morphology for 10 population doublings for HVEC
Cell Viability	Minimum 70% 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

PART NUMBER	DESCRIPTION
<a href="#">FC-0078</a>	Normal Human Endometrial (Uterine) Epithelial Cells, Tertiary – 500,000 cells per vial
<a href="#">FC-0083</a>	Normal Human Vaginal Epithelial Cells, Tertiary – 500,000 cells per vial
<a href="#">LL-0068</a>	ReproLife™ Medium Complete Kit (ReproLife Basal Medium, ReproLife LifeFactors® Kit)
<a href="#">LS-1104</a>	GA Antimicrobial Supplement, 0.5 mL (Gentamicin 30 mg/mL, Amphotericin B 15 µg/mL); provided with purchase of LL-0068

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

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## Lifeline's Normal Human Female Reproductive Epithelial Cells

Lifeline's Normal Human Female Reproductive Epithelial Cells, when grown in Lifeline's ReproLife™ Medium, provide an ideal serum-free culture model for many areas of research. These cells may be used to study cellular physiology of the reproductive tract, the cellular response to infectious agents, and other areas of research.

Lifeline's HEuEC, and HVEC are cryopreserved as tertiary cells\* to ensure the highest viability and plating efficiency. Our HEuEC and HVEC are quality tested in ReproLife Medium to ensure optimal morphology and growth over a period of at least 5 population doublings for the HEuEC, and at least 10 population doublings for the HVEC.

Lifeline's HEuEC, and HVEC are not exposed to antimicrobials or phenol red when cultured in ReproLife Medium. Lifeline® offers antimicrobials and phenol red; however they are not required for eukaryotic cell proliferation. A vial of Gentamicin and Amphotericin B (GA; LS-1104) is provided with the purchase of ReproLife Medium Complete Kit (LL-0068) for your convenience. The use of GA is recommended to inhibit potential fungal or bacterial contamination of eukaryotic cell cultures. Phenol Red (LS-1009) may be purchased, but is not required.

## 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.

## 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.

All donated tissues have been obtained under proper informed consent and adheres to the Declaration of Helsinki, The Human Tissue Act (UK), CFR Title 21, and HIPAA Regulations relative to obtaining and handling human tissue for Research Use.

## 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.

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 liquid nitrogen from cryopreserved vials by carefully loosening the vial cap 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.

*\*Lifeline Technical Note: There are different and often contradictory terminologies used by cell culture companies to define the passage number of cells. Lifeline's designation of 'primary cells' are cells that have been isolated from tissue, plated onto culture vessels, expanded, harvested, and cryopreserved. The term 'tertiary' indicates that the cells have been isolated, plated, and expanded in culture vessels three times before being harvested for cryopreservation.*

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

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