Normal Human Female Reproductive Epithelial Cells
Specification Sheet
Human Endometrial Epithelial Cells (HEuEC)
Human Cervical Epithelial Cells (HCxEC)
Human Fallopian Tube Epithelial Cells (HFTEC)
Human Vaginal Epithelial Cells (HVEC)

CELL FEATURES: ISOLATED FROM: CRYOPRESERVED AT THE END OF:
- HEuEC • Endometrial layer of the uterus • Tertiary Culture*
- HCxEC • Cervix • Tertiary Culture*
- HFTEC • Fallopian Tubes (full length) • Tertiary Culture*
- HVEC • Luminal surface of the vaginal canal • Tertiary Culture*
- HEuEC, HCxEC, HFTEC, 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, HCxEC, HFTEC, and HVEC are extensively tested for quality and optimal performance.
- HFTEC have been characterized by FACS as dominantly positive for Cytokeratin-8/18.
- HFTEC’s normal morphology has been characterized as mixed cuboidal and elongated, clonal.
- Lifeline guarantees performance and quality.

HUMAN FEMALE REPRODUCTIVE EPITHELIAL CELLS ARE TESTED FOR:

- Cell Count 500,000 cryopreserved cells per vial
- Proliferation and Morphology
  - HEuEC, HFTEC: Normal morphology for 5 population doublings
  - HCxEC, HVEC: Normal morphology for 10 population doublings
- 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
FC-0078 Normal Human Endometrial Epithelial Cells, Tertiary – 500,000 cells per vial
FC-0081 Normal Human Fallopian Tube Epithelial Cells, Tertiary – 500,000 cells per vial
FC-0083 Normal Human Vaginal Epithelial Cells, Tertiary – 500,000 cells per vial
LL-0068 ReproLife™ Medium Complete Kit (ReproLife Basal Medium, ReproLife LifeFactors® Kit)
FC-0080 Normal Human Cervical Epithelial Cells, Tertiary – 500,000 cells per vial
LL-0072 ReproLife CX Medium Complete Kit (ReproLife CX Basal Medium, ReproLife CX LifeFactors Kit)
LS-1104 GA Antimicrobial Supplement, 0.5 mL (Gentamicin 30 mg/mL, Amphotericin B 15 µg/mL); provided with purchase of LL-0068 or LL-0072

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

Lifeline Cell Technology • 8415 Progress Drive Suite T • Frederick, MD 21701
**Lifeline’s Normal Human Female Reproductive Epithelial Cells**

Lifeline’s HEuEC, HFTEC, and HVEC, when grown in ReproLife™ Medium, and HCxEC, when grown in ReproLife CX 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, female reproductive tract cancer development, the cellular response to infectious agents, and other areas of research.

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

Lifeline’s HEuEC, HCxEC, HFTEC, and HVEC are not exposed to antimicrobials or phenol red when cultured in Lifeline’s 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) or ReproLife CX Medium Complete Kit (LL-0072) 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 or contact your Lifeline representative for more information.

All donated tissues have been obtained under proper informed consent and adhere to the Declaration of Helsinki, The Human Tissue Act (UK), CFR Title 21, and HIPAA Regulations related 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.