

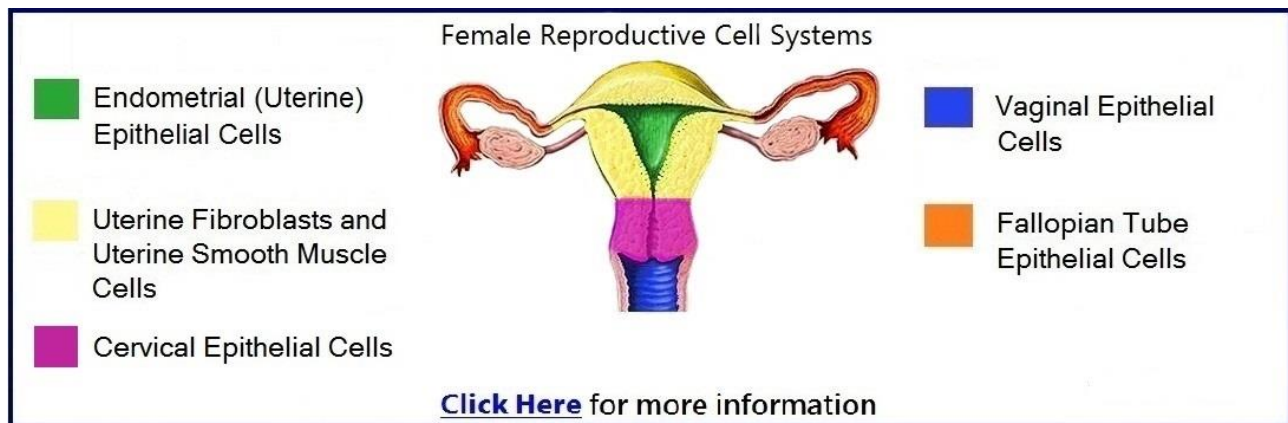
Normal Human Female Reproductive Cell Systems and Media

Endometrial (Uterine) Epithelial Cells (HEuEC)
 Cervical Epithelial Cells (HCxEC)
 Fallopian Tube Epithelial Cells (HFTEC)
 Vaginal Epithelial Cells (HVEC)

Uterine Smooth Muscle Cells (HUtSMC)
 Uterine Fibroblast Cells (HUtF)

Lifeline’s Normal Human Female Reproductive Cells, when grown in Lifeline brand culture medium, provide ideal *in vitro* models for uterine contraction and relaxation studies; uterine, cervical, Fallopian tube, and vaginal cancer studies; general reproductive biology studies; and specific responses to estrogen and other female reproductive hormones.

Lifeline’s Female Reproductive Cells are cryopreserved at the end of secondary or tertiary culture to ensure the highest viability and plating efficiency. ReproLife™ Medium has been optimized for the culturing of Endometrial (Uterine) Epithelial Cells and Fallopian Tube Epithelial Cells for at least 5 population doublings, and Vaginal Epithelial Cells for at least 10 population doublings. ReproLife CX Medium has been optimized for the culturing of Cervical Epithelial Cells for at least 10 population doublings. Our Uterine Fibroblasts are cultured in FibroLife® S2 Medium, and our Uterine Smooth Muscle Cells are cultured in VascuLife® SMC Medium; each for at least 15 population doublings. Lifeline’s cells need not be exposed to Retinoic Acid or Phenol Red when cultured in Lifeline culture media.



NORMAL HUMAN FEMALE REPRODUCTIVE CELLS ARE TESTED FOR:	
• Cell Count	500,000 cryopreserved cells per vial
• Proliferation and Morphology	Normal cell appearance for 5 population doublings for HEuEC and HFTEC Normal cell appearance for 10 population doublings for HCxEC and HVEC Normal cell appearance for 15 population doublings for HUtSMC and HUtF
• Cell Viability	≥ 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
• Specific Staining (Smooth Muscle Cells)	Negative for von Willebrand Factor Positive for Smooth Muscle α-Actin after differentiation

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 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. 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. 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.

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* diagnostic 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 nitrogen from cryopreserved vials 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.

PRODUCT INFORMATION:	
Part #	Description
FC-0078	Normal Human Endometrial (Uterine) 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 - <i>For the culturing of Endometrial (Uterine) Epithelial, Fallopian Tube Epithelial Cells, and Vaginal Epithelial Cells</i>
FC-0080	Normal Human Cervical Epithelial Cells, Tertiary – 500,000 cells per vial
LL-0072	ReproLife CX Medium Complete Kit - <i>For the culturing of Cervical Epithelial Cells</i>
FC-0075	Normal Human Uterine Smooth Muscle Cells, Secondary – 500,000 cells per vial
LL-0014	VascuLife® SMC Medium Complete Kit - <i>For the culturing of Uterine Smooth Muscle Cells</i>
FC-0076	Normal Human Uterine Fibroblast Cells, Secondary – 500,000 cells per vial
LL-0001	FibroLife® Serum-Free Medium Complete Kit - <i>For the culturing of Uterine Fibroblasts</i>
LL-0011	FibroLife S2 Medium Complete Kit - <i>For the culturing of Uterine Fibroblasts</i>

Call Lifeline Technical Service and Sales at 877.845.7787
or visit lifelinecelltech.com for more information

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

©2018 Lifeline Cell Technology. All Rights Reserved