

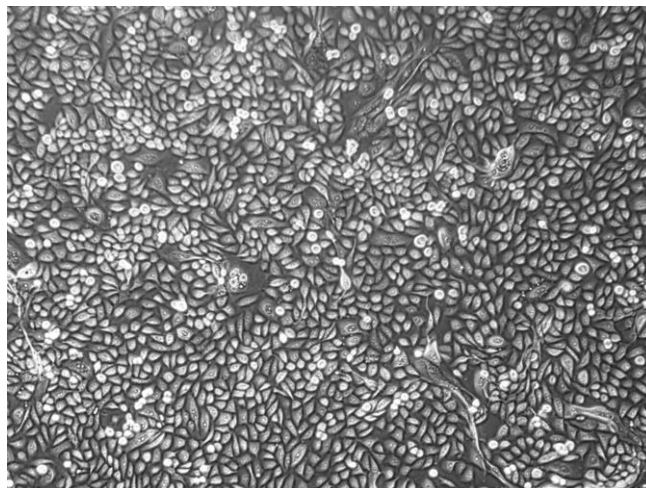
Normal Human Prostate Epithelial Cells (HPrEC) FC-0038

Product Description

Lifeline® Normal Human Prostate Epithelial Cells (HPrEC), when grown in Lifeline's ProstaLife™ Medium, provide an ideal serum- and retinoic acid-free culture system, for the study of the prostate epithelium. HPrEC can be used to generate prostate organoids in three-dimensional culture conditions, to provide a normal control in prostate cancer research, to identify prostate cancer biomarkers, and to study hormonal regulation of the prostate epithelium.

Lifeline's HPrEC are cryopreserved as secondary cells to ensure the highest viability and plating efficiency. Our HPrEC are quality tested in ProstaLife Medium to ensure optimal serum-free growth over a period of at least 15 population doublings at rates equal to or greater than serum-supplemented media.

Lifeline's HPrEC are not exposed to antimicrobials or phenol red when cultured in the respective Lifeline 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 ProstaLife Medium Complete Kit (LL-0041) 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.



Prostate Epithelial Cells, 10x

Cell Features:

- HPrEC are cryopreserved as secondary cells*.
- HPrEC can be used to generate prostate organoids in three-dimensional culture conditions, to provide a normal control in prostate cancer research, to identify prostate cancer biomarkers, and to study hormonal regulation of the prostate epithelium.
- HPrEC are not exposed to retinoic acid when cultured in ProstaLife medium.
- HPrEC are extensively tested for quality and optimal performance.
- Lifeline guarantees performance and quality.

Part #	
FC-0038	HPrEC, Normal Human Prostate Epithelial Cells, secondary - $\geq 500,000$ cells per vial
LL-0041	ProstaLife Medium Complete Kit (ProstaLife Basal Medium, ProstaLife LifeFactors® Kit)
LL-1104	GA Antimicrobial Supplement, 0.5 mL (Gentamicin 30 mg/mL, Amphotericin B 15 μ g/mL); provided with purchase of LL-0041

To place an order, please visit lifelinecelltech.com or call us at **877.845.7787**

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

Normal Prostate Epithelial Cells are tested for:

- **Cell Count**
 - $\geq 500,000$ cryopreserved cells per vial
- **Proliferation and Morphology**
 - Normal cell appearance for 15 population doublings
- **Cell Viability**
 - Minimum 70% viability when thawed from cryopreservation
- **Sterility**
 - Negative for mycoplasma
 - Negative for bacterial and fungal growth for 14 days
- **Virus**
 - Negative for HIV-1, HIV-2, HBV, and HCV by PCR

Quality Tested 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 in adherence with 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 frozen. The term 'secondary' indicates that the cells have been isolated, plate,d and expanded in culture vessels twice before being harvested for cryopreservation.*

Call Lifeline Technical Service and Sales at 877.845.7787

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