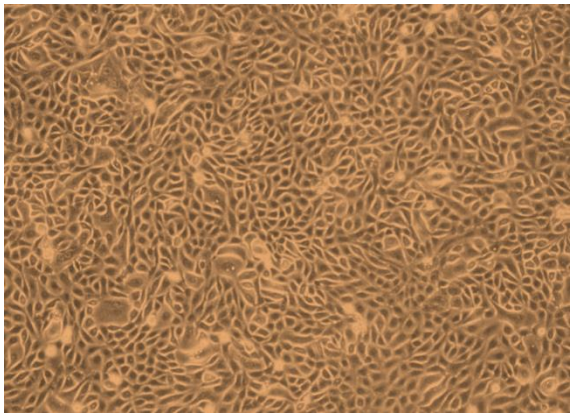
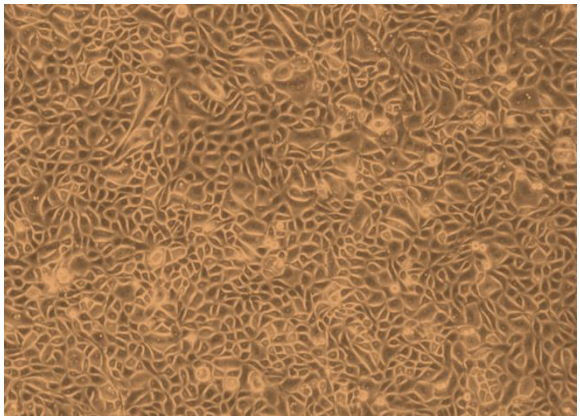
Normal Human Bladder Epithelial Cells Specification Sheet

Human Bladder Epithelial Cells – Apex (HBlEC – A)
Human Bladder Epithelial Cells – Dome (HBlEC – D)



Bladder Epithelial Cells – Apex, passage 3,
6 days after inoculation with 3,000 cells/cm^2 (100X).



Bladder Epithelial Cells – Dome, passage 3,
7 days after inoculation with 3,000 cells/cm^2 (100X).

CELL FEATURES:
• Human Bladder Epithelial Cells – Apex are cryopreserved as secondary cells*.
• Human Bladder Epithelial Cells – Dome are cryopreserved as secondary cells*.
• Normal Human Bladder Epithelial Cells provide ideal culture models for the study of bladder biology.
• Lifeline's Human Bladder Epithelial Cells are extensively tested for quality and optimal performance.
• Lifeline guarantees performance and quality.

NORMAL HUMAN BLADDER EPITHELIAL CELLS ARE TESTED FOR:	
• Cell Count	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 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-0040	HBlEC – A, Normal Human Bladder Epithelial Cells – Apex, Secondary – 500,000 cells per vial
FC-0079	HBlEC – D, Normal Human Bladder Epithelial Cells – Dome, Secondary – 500,000 cells per vial
LL-0071	UroLife™ Medium Complete Kit (UroLife Basal Medium, UroLife LifeFactors® Kit)
LS-1104	GA Antimicrobial Supplement, 0.5 mL (Gentamicin 30 mg/mL, Amphotericin B 15 µg/mL); provided with purchase of LL-0071

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

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Lifeline's Normal Human Bladder Epithelial Cells

Lifeline's Normal Human Bladder Epithelial Cells, when grown in the respective Lifeline® brand culture medium, provide ideal serum-free culture models for the study of bladder biology.

Lifeline's Bladder Epithelial Cells – Apex are isolated from the apex region (also known as the neck or trigone) of the bladder, and our Bladder Epithelial Cells – Dome are isolated from the dome region of the bladder. Lifeline's HBlEC – A and HBlEC – D are cryopreserved as secondary cells* to ensure the highest viability and plating efficiency. Our HBlEC – A and HBlEC – D are quality tested in fully supplemented UroLife™ Medium to ensure proper growth and morphology over a period of at least 15 population doublings.

Lifeline's Bladder Epithelial Cells 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 UroLife Medium Complete Kit (LL-0071) 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 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 'secondary' indicates that the cells have been isolated, plated and expanded in culture vessels twice before being harvested for cryopreservation.*

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