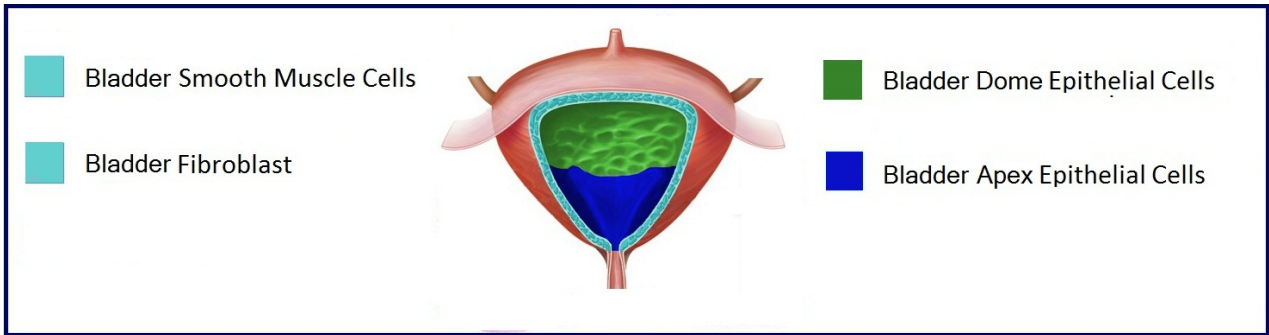


Normal Human Bladder Cell Systems and Media

- Bladder Apex Epithelial Cells
- Bladder Dome Epithelial Cells
- Bladder Fibroblast Cells
- Bladder Smooth Muscle Cells

Lifeline’s Normal Human Bladder Cells, when grown in Lifeline brand culture medium, provide ideal culture models for the study of bladder biology.

Lifeline’s Bladder Cells are cryopreserved at the end of secondary culture to ensure the highest viability and plating efficiency. Our Bladder Apex Epithelial Cells and Bladder Dome Epithelial Cells are cultured in UroLife™ Medium. Our Bladder Smooth Muscle Cells are cultured in VascuLife® SMC Medium. Our Bladder Fibroblasts are cultured in FibroLife™ S2 Medium. Lifeline’s cells need not be exposed to Retinoic Acid or Phenol Red when cultured in Lifeline culture media.



NORMAL HUMAN BLADDER CELLS ARE TESTED FOR:	
• Cell Count	500,000 cryopreserved cells per vial
• Proliferation and Morphology	Normal cell appearance for 15 population doublings
• 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



Call Lifeline Technical Service and Sales at **877.845.7787**
Or visit **lifelinecelltech.com** for more information
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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 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. 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-0040	Normal Human Bladder Apex Epithelial Cells, Secondary – 500,000 cells per vial
FC-0079	Normal Human Bladder Dome Epithelial Cells, Secondary – 500,000 cells per vial
LL-0071	UroLife™ Medium Complete Kit - <i>For the culturing of Bladder Apex Epithelial Cells and Bladder Dome Epithelial Cells</i>
FC-0050	Normal Human Bladder Fibroblast Cells, Secondary – 500,000 cells per vial
LL-0001	FibroLife™ Serum-Free Medium Complete Kit - <i>For the culturing of Bladder Fibroblasts</i>
LL-0011	FibroLife S2 Medium Complete Kit - <i>For the culturing of Bladder Fibroblasts</i>
FC-0043	Normal Human Bladder Smooth Muscle Cells, Secondary – 500,000 cells per vial
LL-0014	VascuLife® SMC Medium Complete Kit - <i>For the culturing of Bladder Smooth Muscle Cells</i>



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