



Special Edition Normal Human Cells – Specification Sheet

Iliac Artery Endothelial Cells
Human Seminal Vesicle Epithelial Cells
Human Vas Deferens Fibroblasts Cells
Lobar Bronchial Epithelial Cells

Bladder Epithelial Cells
Human Bladder Smooth Muscle Cell
Human Bladder Fibroblast Cells

Lifeline's Special Edition Normal Human Cells are unique cell types and are only available for a limited time.

Lifeline's Special Edition Iliac Artery Endothelial cells, when grown in Lifeline's culture medium, provide a low-serum culture; ideal for the study of atherosclerosis and other cardiovascular diseases, general vascular biology research, wound healing and cell migration studies. Our Bladder cell types are an excellent model for the study of bladder infections, interstitial cystitis disease, cancer of the bladder, urinary incontinence, and bladder reconstruction studies. The Lobar Bronchial Epithelial cells can be utilized for the study of pulmonary diseases such as Asthma, COPD, Cystic Fibrosis, Lung Cancer as well as the effects of smoking on respiratory health. Lifeline's Seminal Vesicle Epithelial cells and the Vas Deferens Fibroblast cells are ideal for the study of the Androgen receptors, Seminal Vesicle secretory proteins, Fibrosis of the Vas Deferens and other male urogenital disease states, and male infertility."

Lifeline's Special Edition Normal Human cells are cryopreserved at the earliest possible passage to ensure the highest viability, purity, and plating efficiency. Lifeline's Special Edition cells are not exposed to antimicrobials or phenol red when cultured in Lifeline's medium.

CELL FEATURES:

- Iliac Artery Endothelial Cells are isolated from Human Iliac Arteries and are cryopreserved as secondary cells.
- Lobar Bronchial Epithelial Cells are isolated from Human Lobar Bronchial tissue and are cryopreserved as secondary cells.
- Human Seminal Vesicle Epithelial Cells are isolated from Human Seminal Vesicle tissue and are cryopreserved as secondary cells.
- Human Vas Deferens Fibroblasts Cells are isolated from Human Vas Deferens tissue and are cryopreserved as secondary cells.
- Human Bladder Fibroblast Cells are isolated from Human Bladder Fibroblast tissue and are cryopreserved as secondary cells.
- Human Bladder Smooth Muscle Cells are isolated from Human Bladder Smooth Muscle tissue and are cryopreserved as secondary cells.
- Bladder Epithelial Cells are isolated from Human Bladder Epithelial tissue and are cryopreserved as secondary cells.

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

Lifeline Cell Technology • 8425 Progress Drive Suite Z • Frederick, MD 21701

SPECIAL EDITION NORMAL HUMAN CELLS ARE TESTED FOR:

• Cell Count	500,000 cryopreserved cells per vial
• Sterility Testing	Negative for mycoplasma Negative for bacterial and fungal growth
• Virus Testing	Negative for HIV-1, HIV-2, HBV and HCV by PCR

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 NOT liquid 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-0028	Iliac Artery Endothelial Cells, secondary – 500,000 cells per vial
FC-0040	Bladder Epithelial Cells, secondary – 500,000 cells per vial
FC-0043	Human Bladder Smooth Muscle Cells, secondary – 500,000 cells per vial
FC-0048	Human Seminal Vesicle Epithelial Cells, secondary – 500,000 cells per vial
FC-0050	Human Bladder Fibroblasts, secondary – 500,000 cells per vial
FC-0052	Human Vas Deferens Fibroblasts, secondary – 500,000 cells per vial
FC-0054	Lobar Bronchial Epithelial Cells, secondary – 500,000 cells per vial
LL-0002	VascuLife® EnGS Medium Complete Kit (VascuLife Basal Medium, VascuLife EnGS LifeFactors® Kit) - for the culturing of Iliac Artery Endothelial Cells
LL-0003	VascuLife VEGF Medium Complete Kit (VascuLife Basal Medium, VascuLife VEGF LifeFactors® Kit) - for the culturing of Iliac Artery Endothelial Cells
LL-0014	VascuLife SMC Medium Complete Kit (VascuLife Basal Medium, VascuLife VEGF LifeFactors® Kit) - for the culturing of Human Bladder Smooth Muscle Cells
LL-0011	FibroLife S-2 Medium - for the culturing of Vas Deferens Fibroblast Cells and the Human Bladder Fibroblast Cells
LL-0023	BronchiaLife B/T Medium - for the culturing of Lobar Bronchial Epithelial Cells
Please call for additional Lifeline media recommendations.	

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