# Special Edition Normal Human Cells

## Specification Sheet

**Human Iliac Artery Endothelial Cells (HIAEC)**  
**Human Seminal Vesicle Epithelial Cells (HSVEC)**  
**Human Vas Deferens Fibroblasts (HVDF)**  
**Human Lung Microvascular Endothelial Cells (LMVEC)**

## Cell Features:

<table>
<thead>
<tr>
<th>ISOLATED FROM:</th>
<th>CRYOPRESERVED AT THE END OF:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Iliac Artery Endothelial Cells</td>
<td>Secondary Culture*</td>
</tr>
<tr>
<td>Seminal Vesicle Epithelial Cells</td>
<td>Secondary Culture*</td>
</tr>
<tr>
<td>Vas Deferens Fibroblasts</td>
<td>Secondary Culture*</td>
</tr>
<tr>
<td>Lung Microvascular Endothelial Cells</td>
<td>Quaternary Culture*</td>
</tr>
</tbody>
</table>

- Lifeline’s Special Edition Normal Human Cells are unique cell types and are only available for a limited time.
- Lifeline’s Special Edition Normal Human cells are cryopreserved at the earliest possible passage to ensure the highest viability, purity, and plating efficiency.

## 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

## Part Numbers and Description:

<table>
<thead>
<tr>
<th>PART NUMBER</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>FC-0028</td>
<td>Iliac Artery Endothelial Cells, secondary – 500,000 cells per vial</td>
</tr>
<tr>
<td>LL-0002</td>
<td>VascuLife® EnGS Medium Complete Kit (VascuLife Basal Medium, VascuLife EnGS LifeFactors® Kit)</td>
</tr>
<tr>
<td>LL-0003</td>
<td>VascuLife VEGF Medium Complete Kit (VascuLife Basal Medium, VascuLife VEGF LifeFactors Kit)</td>
</tr>
</tbody>
</table>
| LS-1104     | GA Antimicrobial Supplement, 0.5 mL  
  (Gentamicin 30 mg/mL, Amphotericin B 15 µg/mL); provided with purchase of LL-0002, or LL-0003 |
| FC-0048     | Human Seminal Vesicle Epithelial Cells, secondary – 500,000 cells per vial |
| LL-0041     | ProstaLife™ Medium Complete Kit  
  (ProstaLife Basal Medium, ProstaLife LifeFactors Kit) |
| LS-1104     | GA Antimicrobial Supplement, 0.5 mL  
  (Gentamicin 30 mg/mL, Amphotericin B 15 µg/mL); provided with purchase of LL-0041 |
| FC-0052     | Human Vas Deferens Fibroblasts, secondary – 500,000 cells per vial |
| LL-0011     | FibroLife® S2 Medium Complete Kit  
  (FibroLife Basal Medium, FibroLife S2 LifeFactors Kit) |
| LS-1104     | GA Antimicrobial Supplement, 0.5 mL  
  (Gentamicin 30 mg/mL, Amphotericin B 15 µg/mL); provided with purchase of LL-0011 |
| FC-0058     | Human Lung Microvascular Endothelial Cells, – 500,000 cells per vial |
| LL-0004     | VascuLife EnGS-Mv Medium Complete Kit (VascuLife Basal Medium, VascuLife EnGS-Mv LifeFactors Kit) |
| LL-0005     | VascuLife VEGF-Mv Medium Complete Kit (VascuLife Basal Medium, VascuLife VEGF-Mv LifeFactors Kit) |
| LS-1104     | GA Antimicrobial Supplement, 0.5 mL  
  (Gentamicin 30 mg/mL, Amphotericin B 15 µg/mL); provided with purchase of LL-0004, or LL-0005 |

Please call for additional Lifeline Media recommendations.

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

Lifeline Cell Technology • 8415 Progress Drive Suite T • Frederick, MD 21701
**Lifeline’s Special Edition Normal Human Cells**

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

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 Lung Microvascular Endothelial Cells, when grown in Lifeline’s culture, provide an ideal low-serum culture model, for the study of angiogenesis, atherosclerosis or vascular biology.

Lifeline’s Special Edition cells are not exposed to antimicrobials or phenol red when cultured in their respective cell culture 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 VascuLife® EnGS (LL-0002), VascuLife VEGF (LL-0003), VascuLife EnGS-Mv (LL-0004), VascuLife VEGF-Mv (LL-0005), FibroLife® S2 (LL-0011), or ProstaLife™ (LL-0041) Medium Complete Kits 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 ‘secondary’ indicates that the cells have been isolated, plated, and expanded in culture vessels twice before being harvested for cryopreservation. The term ‘quaternary cells’ indicates cells that have been isolated from tissue, plated onto culture vessels, and expanded in culture vessels four times before being harvested for cryopreservation.*

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

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