

# Epidermal Keratinocytes – Neonatal, (HEKn); Adult (HEKa) & HEKn 10-Donor Pool

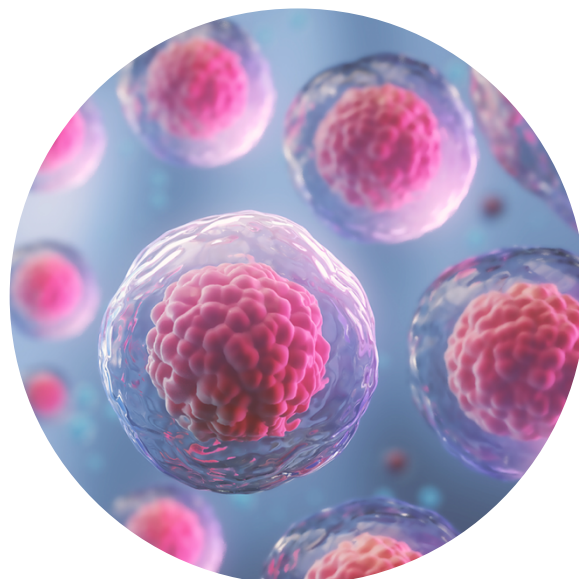
FC-0007

FC-0025

FC-0064



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.



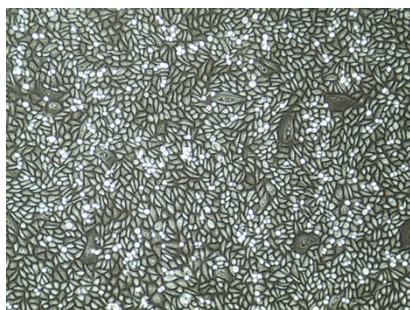
**LIFELINE**<sup>®</sup>  
CELL TECHNOLOGY

Better Solutions for  
Breakthrough Results

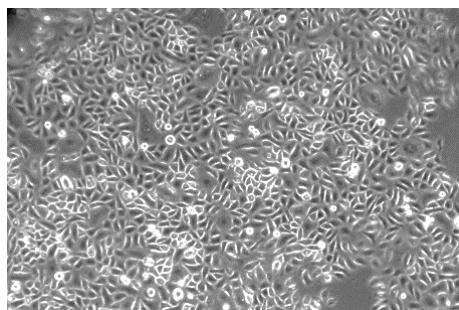
FC-0007

FC-0025

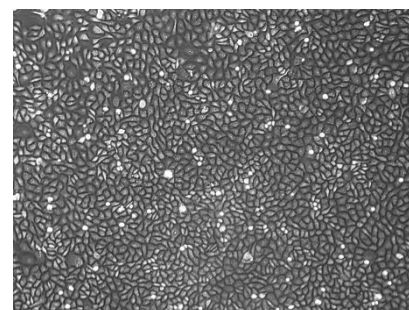
FC-0064



**Neonatal  
Keratinocytes, 10x**



**10- Donor Pooled Neonatal  
Keratinocytes, 10x**



**Adult Dermal  
Keratinocyte, 10x**

#### CELL FEATURES:

- HEKn and HEKa are cryopreserved as primary cells\*.
- HEKn 10-Donor Pool cells are cryopreserved as secondary cells\*.
- HEK provide an ideal serum-free culture model, for the study of wound healing, toxicology or epithelial biology.
- HEK are extensively tested for quality and optimal performance.
- Lifeline guarantees performance and quality.

PART NUMBER	DESCRIPTION
<a href="#">FC-0007</a>	HEKn, Normal Human Epidermal Keratinocytes-Neonatal, primary
<a href="#">FC-0025</a>	HEKa, Normal Human Epidermal Keratinocytes-Adult, primary
<a href="#">FC-0064</a>	HEKn 10-Donor Pool, Normal Human Epidermal Keratinocytes-Neonatal, Secondary – 500,000 cells per vial
<a href="#">LL-0007</a>	DermaLife™ K Medium Complete Kit (DermaLife Basal Medium (LM-0004), DermaLife K LifeFactors™ Kit (LS-1030))
<a href="#">LL-0029</a>	DermaLife K Calcium-Free Medium Complete Kit
<a href="#">LS-1104</a>	GA Antimicrobial Supplement, 0.5 mL (Gentamicin 30 mg/mL, Amphotericin B 15 µg/mL); provided with purchase of LL-0027



**Call Lifeline Technical Service and Sales at 877.845.7787**

**Or visit [lifelinecelltech.com](http://lifelinecelltech.com) for more information**

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## 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.

## Lifeline's Normal Human Epidermal Keratinocytes

Lifeline's Normal Human Epidermal Keratinocytes (HEK), when grown in Lifeline's DermaLife™ K Medium, provides an ideal serum-free culture model, for the study of wound healing, toxicology or epithelial biology.

Lifeline's HEKn and HEKa are cryopreserved as primary cells\* to ensure the highest viability and plating efficiency. Lifeline's HEKn 10-Donor Pool are cryopreserved as secondary cells\* to ensure the highest viability and plating efficiency. Our HEK are quality tested in DermaLife K Medium to ensure proper growth and morphology over a period of at least 15 population doublings.

Lifeline's HEK 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 DermaLife K (LL-0007), or DermaLife K Calcium-Free (LL-0029) 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.

## 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](http://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

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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