

Lifeline Cell Technology Certificate of Analysis

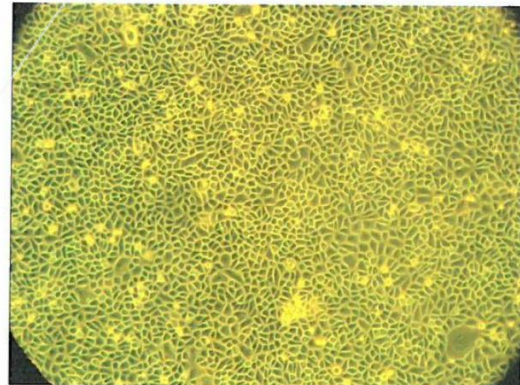
Product Name: Normal Human Epidermal Keratinocytes (HEK)
Catalog Number: FC-0007
Product Description: Cryopreserved human epidermal keratinocytes derived from neonatal skin. Neonatal keratinocytes are cryopreserved in P1, after isolation from tissue cells are cultured for one passage and then cryopreserved. Vials contain 500,000 cells in one ml cryopreservation solution.
Product Lot Number: 06050
Manufacture Date: FEB2017
Expiration Date: Not applicable when stored at or below -150° C

Product Information

Donor Demographics: Sex: Male Tissue Source: Foreskin Age: Neonatal
 Race: ¼ Asian/¾ Caucasian
 Recommended Culture Medium: DermaLife® basal medium, LM-0004 supplemented with:
 DermaLife K LifeFactors® Kit, LS-1030

Test	Specifications	Results
Sterility (bacteria, yeast and fungi)	negative	negative
Sterility Test, mycoplasma	negative	negative
PCR virus testing:		
Hepatitis B	negative	negative
Hepatitis C	negative	negative
HIV-1 & HIV-2	negative	negative
Viable Cell Count:	≥500,000 cells/ml	783,750 cells/ml
Viability (by Trypan Blue Exclusion):	>70% viable	85.3 % viable
Cell Growth in DermaLife		
Population Doubling capacity	>15 doublings	17.19 doublings
Cell morphology	normal	normal

Picture of P₄ HEK lot# 06050 cultured in DermaLife K growth medium, day 4 in culture from an inoculation of 2,500 cells/cm².



Quality Control: Jeremy Hammond March 15, 2017

Jeremy Hammond, QC Director Lifeline Cell Technology

To place an order call Lifeline technical and customer service at (877) 845-7787 or you may submit an order form by fax to (443) 393-0393. Order form available on line at www.lifelinecelltech.com/order.