

Lifeline Cell Technology Certificate of Analysis

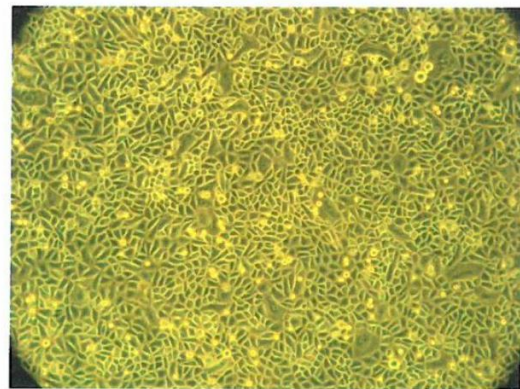
Product Name: Human Oral Keratinocytes (Gingiva)
Catalog Number: FC-0094
Product Description: Cryopreserved human oral keratinocytes derived from adult gingival tissue. Oral keratinocytes are cryopreserved in P2, after isolation from tissue cells are cultured for two passages and then cryopreserved. Vials contain 500,000 cells in one ml cryopreservation solution.
Product Lot Number: 04971
Manufacture Date: OCT2015
Expiration Date: Not applicable when stored at or below -150° C

Product Information

Donor Demographics:Sex: Female Tissue Source: Lower jaw Age: 60 years
 Race: Caucasian Cause of Death: Pulmonary Embolism
 Recommended Culture Medium:.....DermaLife® basal medium, LM-0004 supplemented with:
 DermaLife LifeFactors® Kit, LS-1030

Test	Specifications	Results
Sterility Test, 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	1,057,500 cells/ml
Viability (by Trypan Blue Exclusion):	>70% viable	82.5 % viable
Cell Growth in DermaLife K Growth Medium		
Population Doubling capacity	≥15 p.d.	16.46 p.d.
Cell morphology	normal	pass

Picture of P₃ Oral Keratinocytes lot# 04971 cultured in DermaLife K Growth Medium, day 5 in culture from an inoculation of 2,500 cells/cm².



Quality Control: Jeremy Hammond November 10, 2015

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.