

Lifeline Cell Technology Certificate of Analysis

Product Name: Normal Human Epidermal Melanocytes
Catalog Number: FC-0019
Product Description: Human epidermal melanocytes derived from neonatal skin 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: 06443
Manufacture Date: SEP2017
Expiration Date: Not applicable when stored at or below -150° C

Product Information

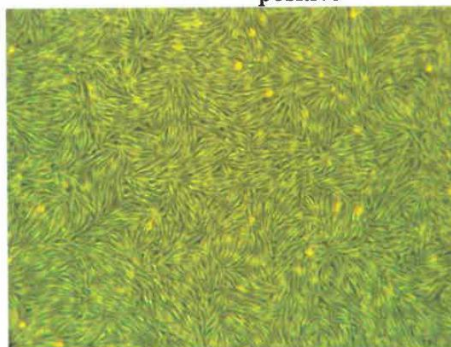
Donor Demographics: Sex: Male Tissue Source: Foreskin Age: Neonatal
Race: Caucasian

Recommended Culture Medium: DermaLife[®], LM-0004 supplemented with:
DermaLife M LifeFactors[®] Kit, LS-1041

Recommended Inoculation: This lot of melanocytes is recommended to be inoculated with 5,000 cells/cm² when cryopreserved cells are first thawed. Subsequent passages of melanocytes can be inoculated with 2,500 to 5,000 cells/cm².

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 and HIV-2	negative	negative
Viable Cell Count:	≥500,000 cells/ml	971,250 cells/ml
Viability (by Trypan Blue Exclusion):	>70% viable	96.6% viable
Cell Growth in DermaLife		
Population Doubling capacity	>15 doublings	19.60 doublings
Cell morphology	normal	normal
Characterization:		
Mel-5 immunostaining	positive	positive
L-Dopa oxidase activity	positive	positive

Picture of P₆ Melanocytes lot# 06443 cultured in DermaLife M growth medium, day 6 in culture from an inoculation of 2,500 cells/cm².



Quality Control: Jeremy Hammond April 2, 2019

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.