

Lifeline Cell Technology Certificate of Analysis

Product Name:

Human Epidermal Melanocytes, Neonatal-HP

Catalog Number:

FC-0089

Product Description:

Human epidermal melanocytes derived from highly pigmented neonatal skin. Neonatal melanocytes are cryopreserved in P2, after isolation from tissue cells are cultured for two passages and then cryopreserved. Vials

contain 1,000,000 cells in one ml cryopreservation solution.

Product Lot Number:

05625

Manufacture Date:

SEP2016

Expiration Date:

Not applicable when stored at or below -150° C

Product Information

Donor Demographics: Sex: Male

Tissue Source: Foreskin

Age: Neonatal

Race: African American

DermaLife M LifeFactors® Kit, LS-1041

Recommended Inoculation: This lot of melanocytes was derived from a highly pigmented neonatal donor. Inoculation of 10,000 cells/cm² is recommended when cryopreserved cells are first thawed. Expect very poor plating of melanocytes after thaw. Initial passage may take three weeks before subculture. Subsequent

passages can be inoculated with 2,500 cells/cm² and can be expected to be subcultured within 10-14 days.

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:	≥1,000,000 cells/ml	1,187,500 cells/ml
Viability (by Trypan Blue Exclusion):	>70% viable	84.4% viable
Cell Growth in DermaLife M		
Population Doubling capacity	>15 doublings	17.49 doublings
Cell morphology	normal	normal
Characterization:		
Mel-5 immunostaining	positive	positive
L-Dopa oxidase activity	positive	positive

Picture of P₃ neonatal Melanocytes-HP lot# 05625 cultured in DermaLife M growth medium, day 18 in culture from an inoculation of 10,000 cells/cm².



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.