LIFELINE CELL TECHNOLOGY

Lifeline Cell Technology Certificate of Analysis

Product Name:	**Normal Human Aortic Smooth Muscle Cells**
Catalog Number:	**FC-0015**
Product Description:	**Cryopreserved human smooth muscle cells derived from aorta. Aortic Smooth Muscle cells 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:	**06144**
Manufacture Date:	**APR2017**
Expiration Date:	**Not applicable when stored at or below -150° C**

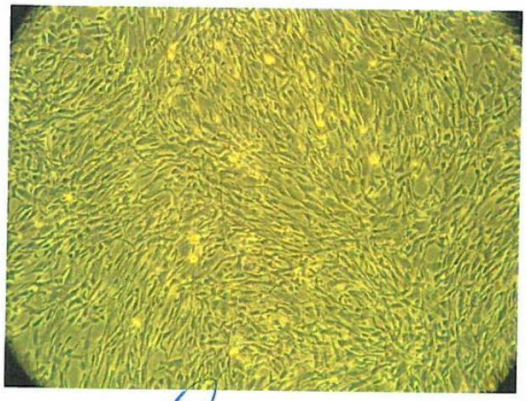
Product Information

Donor Demographics: .....Sex: Male Tissue Source: Aorta Age: 29 years
Race: African American Cause of Death: Anoxia

Recommended Culture Medium:.....VascuLife®, LM-0002 supplemented with:
VascuLife SMC LifeFactors® Kit, LS-1040

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& 2	negative	negative
Viable Cell Count:	≥500,000 cells/ml	697,500 cells/ml
Viability (by Trypan Blue Exclusion):	>70% viable	89.9% viable
Cell Growth in DermaLife		
Population Doubling capacity	>15 doublings	16.58 doublings
Cell morphology	normal	normal
Characterization		
Smooth muscle α-actin	positive	positive
Von Willebrand Factor	negative	negative

Picture of P_4 Aortic Smooth Muscle Cells lot# 06144 cultured in VascuLife SMC growth medium, day 6 in culture from an inoculation of 2,500 cells/cm^2.



Quality Control Jeremy Hammond June 6, 2016

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.

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