

Lifeline Cell Technology Certificate of Analysis

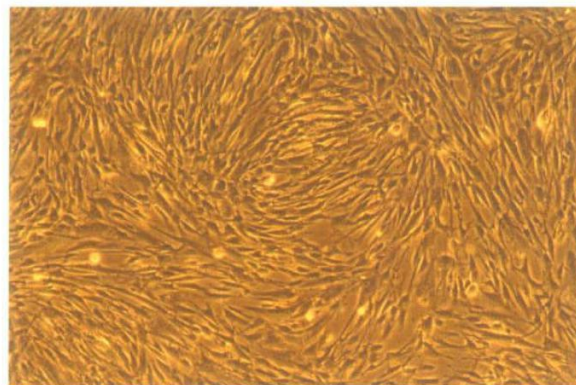
Product Name: Human Coronary Artery Smooth Muscle Cells
Catalog Number: FC-0031
Product Description: Cryopreserved human smooth muscle cells derived from coronary artery. Vials contain 500,000 cells in one ml cryopreservation solution.
Product Lot Number: 01587
Manufacture Date: NOV2010
Expiration Date: Not applicable when stored at or below -150° C

Product Information

Donor Demographics:Sex: Female Tissue Source: Coronary Artery Age: 34 years
 Race: Caucasian Cause of Death: ICH/Stroke
 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	720,000 cells/ml
Viability (by Trypan Blue Exclusion):	>50% viable	96% viable
Cell Growth in DermaLife		
Population Doubling capacity	>15 doublings	17.75 doublings
Cell morphology	normal	normal

Picture of P₄ Coronary Artery Smooth Muscle Cells lot# 01587 cultured in VascuLife SMC growth medium, day 6 in culture from an inoculation of 5,000 cells/cm².



Quality Control

Jeremy Hammond

April 5, 2011

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 (301) 845-2405. Order form available on line at www.lifelinecelltech.com/order.