

Lifeline Cell Technology Certificate of Analysis

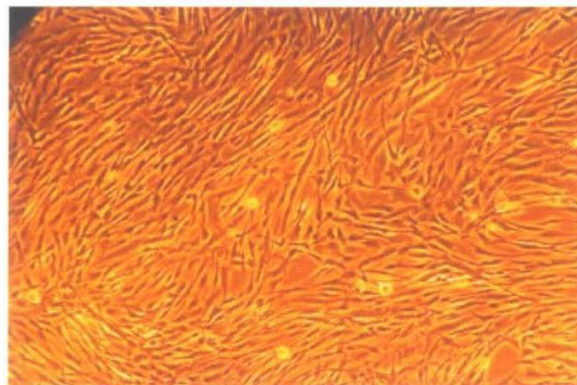
Product Name: Human Lung Fibroblasts
Catalog Number: FC-0049
Product Description: Cryopreserved human lung fibroblasts. Vials contain 500,000 cells in one ml cryopreservation solution.
Product Lot Number: 01929
Manufacture Date: APR2011
Expiration Date: Not applicable when stored at or below -150° C

Product Information

Donor Demographics:Sex: Male Tissue Source: Lung Age: 21 years
 Race: Caucasian Cause of Death: MVA
 Recommended Culture Medium:.....FibroLife, LM-0001 supplemented with:
 Low serum FibroLife S2 LifeFactors Kit, LS-1038

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	917,500 cells/ml
Viability (by Trypan Blue Exclusion):	for information only	92% viable
Cell Growth in low serum FibroLife		
Population Doubling capacity	for information only	17.45 doublings
Cell morphology	for information only	normal for fibroblasts

Picture of P₄ lung fibroblasts lot# 01929 cultured in FibroLife low serum medium, day 5 in culture from an inoculation of 2,500 cells/cm².



Quality Control: Jeremy Hammond August 22, 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.