

Lifeline Cell Technology Certificate of Analysis

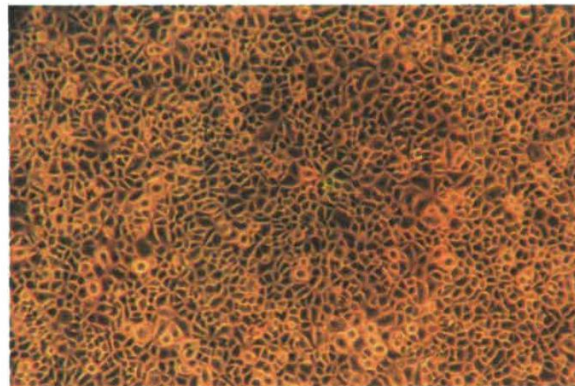
Product Name: Lobar Bronchial Epithelial Cells
Catalog Number: FC-0054
Product Description: Cryopreserved human bronchial epithelial cells from secondary (lobar) bronchi of the lungs. Vials contain 500,000 cells in one ml cryopreservation solution.
Product Lot Number: 01933
Manufacture Date: APR2011
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: BronchiaLife Basal Medium, LM-0007 supplemented with BronchiaLife B/T LifeFactors Kit, LS-1047.

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	671,250 cells/ml
Viability (by Trypan Blue Exclusion):	>70% viable	77.8 % viable
Cell Growth		
Population Doubling capacity	>15 doublings	16.17 doublings
Cell morphology	normal	normal

Picture of P₅ lobar Bronchial Epithelial Cells lot# 01933 cultured in BronchiaLife Growth Medium, day 6 in culture from an inoculation of 5,000 cells/cm².



Quality Control: Jeremy Hammond May 20, 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.