

Lifeline Cell Technology Certificate of Analysis

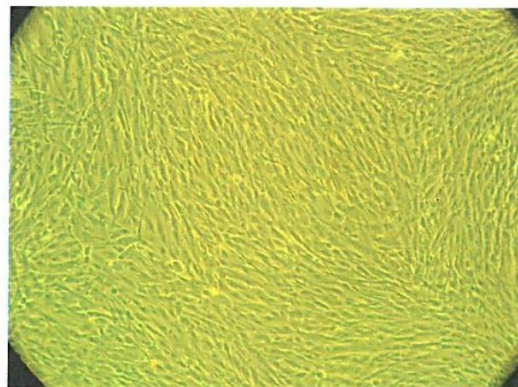
Product Name: Human Gingival Fibroblasts
Catalog Number: FC-0095
Product Description: Cryopreserved human gingival (oral) fibroblasts derived from adult tissue. Gingival fibroblasts are cryopreserved in P2, after isolation from tissue cells are cultured for two passages and then cryopreserved. Vials contain 500,000 cells in one ml cryopreservation solution.
Product Lot Number: 05391
Manufacture Date: APR2016
Expiration Date: Not applicable when stored at or below -150° C

Product Information

Donor Demographics: Sex: Male Tissue Source: Lower jaw Age: 65 years
 Race: Caucasian Cause of Death: Pulmonary Fibrosis
 Recommended Culture Medium: FibroLife, LM-0001 supplemented with:
 Serum Free FibroLife® LifeFactors® Kit, LS-1010 -or-
 FibroLife S2 LifeFactors Kit, LS-1038, with 2% FBS

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	896,250 cells/ml
Viability (by Trypan Blue Exclusion):	>70% viable	90.9 % viable
Cell Growth in FibroLife S2 Medium		
Population Doubling capacity	≥15 p.d.	16.89 p.d.
Cell morphology	normal	pass

Picture of P₄ Gingival Fibroblasts lot# 05391 cultured in FibroLife S2 Growth Medium, day 5 in culture from an inoculation of 2,500 cells/cm².



Quality Control: Jeremy Hammond August 9, 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.