

Certificate of Analysis

Human Pulmonary Fibroblasts (HPF)

Description

Product Name	HPF-c / HPF-p
Order Number	C-12360 / C-12361
Lot Number	9022003.7
Donor Age / Sex / Race	83 / female / caucasian
Tissue / Localization	lung / peripheral tissue
Number of Viable Cells	500.000
Freezing Medium	Cryo-SFM (Order No.: C-29910)
QC Evaluation Medium	Fibroblast Growth Medium 2 (Order No.: C-23020)
Stage of Culture	HPF-c: thawing and seeding results in passage 2 (3 rd culture) HPF-p: shipped in passage 2 (3 rd culture)

Viability & Growth Characteristics

Viability	74 % * (adherence of cells could vary under customer culture conditions)
Population Doubling (PD) Time in Log Phase	22.0 h / PD *
Population Doublings	> 15 *

Phenotypic Characterization (tested within the first two passages)

Fibroblast-specific surface antigen | positive by immunohistochemical staining

Test for Microbial Contaminants and Infectious Viruses

Bacteria / Fungi / Mycoplasma	negative / negative / negative
HIV-1	negative
HBV / HCV	negative / negative

* Using PromoCell's standardized culture system and procedures. The stated values may vary under customer culture conditions.

The tissue used by PromoCell for the isolation of human cell cultures is derived from donors who have signed an informed consent form, which outlines in detail the purpose of the donation and the procedure for processing the tissue (www.promocell.com/ethics).



A handwritten signature in blue ink that reads "S. Busch".

Silke Busch, Ph.D.
Quality Control Manager

Date: 20 Mar 2009

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