

Certificate of Analysis

Normal Human Dermal Fibroblasts (NHDF), adult

Description

Product Name	NHDF-c adult / NHDF-p adult
Order Number	C-12302 / C-12352
Lot Number	7071701.2
Donor Age / Sex / Race	44 / female / caucasian
Tissue / Localization	skin / breast
Number of Viable Cells	600.000
Freezing Medium	Cryo-SFM (Order No.: C-29910)
QC Evaluation Medium	Fibroblast Growth Medium 2 (Order No.: C-23020)
Stage of Culture	NHDF-c: thawing and seeding results in passage 2 (3 rd culture) NHDF-p: shipped in passage 2 (3 rd culture)

Viability & Growth Characteristics

Viability	86 % * (adherence of cells could vary under customer culture conditions)
Population Doubling (PD) Time in Log Phase	44.8 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: 2 July 2008

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