

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	0060801.3
Donor Age / Sex / Race	55 / female / caucasian
Tissue / Localization	skin / temple
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	85 % * (adherence of cells could vary under customer culture conditions)
Population Doubling (PD) Time in Log Phase	17.5 h / PD *
Population Doublings	> 15 *

Phenotypic Characterization (tested within the first two passages)

Fibroblast-specific surface antigen	positive by immunohistochemical staining
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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 blue ink signature of Christian Leppert.

Christian Leppert, Ph.D.
Quality Control Manager

Date: 24 Aug 2010

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