

Certificate of Analysis



Human Dermal Blood Endothelial Cells (HDBEC), adult

Description

Product Name	HDBEC-c adult / HDBEC-p adult
Order Number	C-12225 / C-12226
Lot Number	9052704
Donor Age / Sex / Race	16 / female / caucasian
Tissue / Localization	skin / labia
Number of Viable Cells	600.000
Freezing Medium	Cryo-SFM (Order No.: C-29910)
QC Evaluation Medium	Endothelial Cell Growth Medium MV (Order No.: C-22020)
Stage of Culture	HDBEC-c: thawing and seeding results in passage 2 (3 rd culture) HDBEC-p: shipped in passage 2 (3 rd culture)

Viability & Growth Characteristics

Viability	89 % * (adherence of cells could vary under customer culture conditions)
Population Doubling (PD) Time in Log Phase	25.8 h / PD *
Population Doublings	> 15 *

Phenotypic Characterization

Smooth muscle α -actin	negative by immunohistochemical staining
CD31	> 95 % positive by flow cytometry **
Podoplanin	> 90 % negative by flow cytometry **

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.

** Measured by Cell Lab Quanta SCTM (Beckmann Coulter Inc.).

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).



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