

# Certificate of Analysis



## Human Bladder Microvascular Endothelial Cells (HBdMEC)

### Description

Product Name	HBdMEC-c / HBdMEC-p
Order Number	C-12291 / C-12292
Lot Number	6082301.17
Donor Age / Sex / Race	60 / male / caucasian
Tissue / Localization	bladder / tunica muscularis
Number of Viable Cells	650.000
Freezing Medium	Cryo-SFM (Order No.: C-29910)
QC Evaluation Medium	Endothelial Cell Growth Medium MV (Order No.: C-22020)
Stage of Culture	HBdMEC-c: thawing and seeding results in passage 2 (3 <sup>rd</sup> culture) HBdMEC-p: shipped in passage 2 (3 <sup>rd</sup> culture)

### Viability & Growth Characteristics

Viability	96 % * (adherence of cells could vary under customer culture conditions)
Population Doubling (PD) Time in Log Phase	39.5 h / PD *
Population Doublings	> 15 *

### Phenotypic Characterization (tested within the first two passages)

CD31	positive by immunohistochemical staining
vWF / Factor VIII-related antigen	positive by immunohistochemical staining
Dil-Ac-LDL uptake	positive by immunohistochemical staining
Smooth muscle $\alpha$ -actin	negative 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](http://www.promocell.com/ethics)).



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Quality Control Manager

Date: 2 July 2008

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### Orders and Technical Information

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