

# Certificate of Analysis

## Human Aortic Endothelial Cells (HAoEC)

### Description

Product Name	HAoEC-c / HAoEC-p
Order Number	C-12271 / C-12272
Lot Number	7071706.1
Donor Age / Sex / Race	22 / female / caucasian
Tissue / Localization	aorta / -
Number of Viable Cells	500.000
Freezing Medium	Cryo-SFM (Order No.: C-29910)
QC Evaluation Medium	Endothelial Cell Growth Medium MV (Order No.: C-22020)
Stage of Culture	HAoEC-c: thawing and seeding results in passage 2 (3 <sup>rd</sup> culture) HAoEC-p: shipped in passage 2 (3 <sup>rd</sup> culture)

### Viability & Growth Characteristics

Viability	92 % * (adherence of cells could vary under customer culture conditions)
Population Doubling (PD) Time in Log Phase	16.9 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)).



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

Silke Busch, Ph.D.  
Quality Control Manager

Date: 8 July 2008

FOR IN VITRO USE ONLY. NOT FOR DIAGNOSTIC OR THERAPEUTIC PROCEDURES.

### Orders and Technical Information

PromoCell GmbH  
Sickingenstr. 63 / 65  
69126 Heidelberg  
Germany

Germany  
France  
United Kingdom  
USA  
International

Phone: 0800 – 776 66 23  
Phone: 0800 90 93 32  
Phone: 0800 96 03 33  
Phone: 1 – 866 – 251 – 2860  
Phone: +49 6221 – 649 34 0

Email: [info@promocell.com](mailto:info@promocell.com)  
[www.promocell.com](http://www.promocell.com)