

# Certificate of Analysis

## Human Aortic Smooth Muscle Cells (HAoSMC)

### Description

Product Name	HAoSMC-c / HAoSMC-p
Order Number	C-12533 / C-12532
Lot Number	9052004.2
Donor Age / Sex / Race	54 / male / caucasian
Tissue / Localization	aorta / thoracic
Number of Viable Cells	550.000
Freezing Medium	Cryo-SFM (Order No.: C-29910)
QC Evaluation Medium	Smooth Muscle Cell Growth Medium 2 (Order No.: C-22062)
Stage of Culture	HAoSMC-c: thawing and seeding results in passage 2 (3 <sup>rd</sup> culture) HAoSMC-p: shipped in passage 2 (3 <sup>rd</sup> culture)

### Viability & Growth Characteristics

Viability	73 % * (adherence of cells could vary under customer culture conditions)
Population Doubling (PD) Time in Log Phase	38.5 h / PD *
Population Doublings	> 15 *

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

Smooth muscle $\alpha$ -actin	positive by immunohistochemical staining
vWF / Factor VIII-related antigen	negative by immunohistochemical staining
CD90	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 blue ink signature of Christian Leppert.

Christian Leppert, Ph.D.  
Quality Control Manager

Date: 14 May 2010

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