

# Certificate of Analysis

## Human Skeletal Muscle Cells (SkMC)

### Description

Product Name	SkMC-c / SkMC-p
Order Number	C-12530 / C-12580
Lot Number	9011302
Donor Age / Sex / Race	64 / female / caucasian
Tissue / Localization	striated muscle / M. pectoralis
Number of Viable Cells	500.000
Freezing Medium	Cryo-SFM (Order No.: C-29910)
QC Evaluation Medium	Skeletal Muscle Cell Growth Medium (Order No.: C-23060) Skeletal Muscle Cell Differentiation Medium (Order No.: C-23061)
Stage of Culture	SkMC-c: thawing and seeding results in passage 2 (3 <sup>rd</sup> culture) SkMC-p: shipped in passage 2 (3 <sup>rd</sup> culture)

### Viability & Growth Characteristics

Viability	97 % * (adherence of cells could vary under customer culture conditions)
Population Doubling (PD) Time in Log Phase	22.7 h / PD *
Population Doublings	> 15 *

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

Sarcomeric myosin	positive by immunohistochemical staining
Smooth muscle $\alpha$ -actin	negative by immunohistochemical staining
vWF / Factor VIII-related antigen	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, appearing to read "S. Busch".

Silke Busch, Ph.D.  
Quality Control Manager

Date: 5 Mar 2009

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### Orders and Technical Information

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