

Certificate of Analysis



Human Cardiac Myocytes (HCM)

Description

| | |
|------------------------|--|
| Product Name | HCM-c / HCM-p |
| Order Number | C-12810 / C-12811 |
| Lot Number | 1042702.5 |
| Donor Age / Sex / Race | 51 / female / caucasian |
| Tissue / Localization | heart muscle / ventricle |
| Number of Viable Cells | 650.000 |
| Freezing Medium | Cryo-SFM (Order No.: C-29910) |
| QC Evaluation Medium | Myocyte Growth Medium (Order No.: C-22070) |
| Stage of Culture | HCM-c: thawing and seeding results in passage 2 (3 rd culture) HCM-p: shipped in passage 2 (3 rd culture) |

Viability & Growth Characteristics

| | |
|--|--|
| Viability | 86 % * (adherence of cells could vary under customer culture conditions) |
| Population Doubling (PD) Time in Log Phase | 34.9 h / PD * |
| Population Doublings | > 15 * |

Phenotypic Characterization (tested within the first two passages)

| | |
|------------------------------|-------------------------------|
| Sarcomeric α -actinin | positive by flow cytometry ** |
| Slow muscle myosin | positive 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 (Beckman 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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