

# Human Cardiac Myocytes

Cat. No. ARP0023,  $1 \times 10^6$  cells/vial

## Description

Research on the Human Cardiac Myocytes is essential to the study of heart failure (HFrEF/HFpEF), arrhythmogenic cardiomyopathy, myocardial infarction, hypertrophic cardiomyopathy, and diabetic cardiomyopathy. The heart is the central organ of the human circulatory system. Its rhythmic contractions and relaxations pump blood throughout the body and deliver oxygen and nutrients to tissues and cells while removing metabolic waste. The Human Cardiac Myocytes are to be used with Human Cardiac Myocyte Medium (Cat. No. ACM0023). This product is intended for laboratory in vitro use only. It is not intended for diagnostic, therapeutic, or clinical applications.

## Specification

Cell Type: Muscle Cells

Tissue/Organ: Heart

Disease: N/A

Species: Homo sapiens (Human)

Genetic Background: N/A

Markers: Sarcomeric  $\alpha$ -Actinin

Symbols: HCM

## Shipping & Storage

Shipping condition: Frozen on dry ice.

Storage condition: Liquid nitrogen (LN<sub>2</sub>) cryopreservation.

## Intended Use

This product is intended for laboratory in vitro use only. It is not intended for diagnostic, therapeutic, or clinical applications.

## Culturing Guidance



Morphology: N/A

Growth Mode: N/A

Temperature: 37°C

Atmosphere: 5% CO<sub>2</sub>

## Unpacking and Storage Instructions

1. Visually inspect all packaging components for integrity and verify adequate dry ice.

If any damage is observed, notify Ascent Technical Support immediately.

2. Prioritize transfer to liquid nitrogen vapor phase storage system (-130°C or below).

Secondary option: -80°C mechanical freezer (short-term storage only).

Always maintain temperature strictly below -65°C.

## Disclaimer

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