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Mouse Ventricular Cardiomyocytes

Cat. No. ARP0456, 5×10^5 cells/vial

Description

Research on the Mouse Ventricular Cardiomyocytes is essential to the study of ventricular arrhythmia research, heart failure models (HFrEF/HFpEF), genetic cardiomyopathy studies (e.g., spontaneous hypertensive rats), and mechanical unloading experiments. 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 Mouse Ventricular Cardiomyocytes are to be used with Mouse Ventricular Cardiomyocyte Medium (Cat. No. ACM0456). 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: Normal

Species: Mus musculus (Mouse)

Genetic Background: N/A

Markers: Myosin Heavy Chain

Symbols: MVC

Shipping & Storage

Shipping condition: Frozen on dry ice.

Storage condition: Liquid nitrogen (LN_2) 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: Columnar, Irregular

Growth Mode: Adherent

Temperature: 37°C

Atmosphere: 5% CO_2

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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