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Mouse Aortic Valve Interstitial Cells

Cat. No. ARP0453, 5×10⁵ cells/vial

Description

Research on the Mouse Aortic Valve Interstitial Cells is essential to the study of aortic valve stenosis, calcific aortic valve disease (CAVD), post-inflammatory valve fibrosis, bicuspid aortic valve degeneration, and radiation-induced valvulopathy. 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 Aortic Valve Interstitial Cells are to be used with Mouse Aortic Valve Interstitial Cell Medium (Cat. No. ACM0453). This product is intended for laboratory in vitro use only. It is not intended for diagnostic, therapeutic, or clinical applications.

Specification

Cell Type: N/A

Tissue/Organ: Heart

Disease: Normal

Species: Mus musculus (Mouse)

Genetic Background: N/A

Markers: α-SMA, Vimentin

Symbols: MAVIC

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: Elongated fusiform or 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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