

Mouse Coronary Artery Smooth Muscle Cells

Cat. No. ARP0439, 5×10^5 cells/vial

Description

Research on the Mouse Coronary Artery Smooth Muscle Cells is essential to the study of coronary artery restenosis, atherosclerosis, vascular calcification, hypertension-induced arterial remodeling, and coronary vasospasm. 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 Coronary Artery Smooth Muscle Cells are to be used with Mouse Coronary Artery Smooth Muscle Cell Medium (Cat. No. ACM0439). 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: α -Smooth Muscle Actin (α -SMA)

Symbols: MCASMC

Shipping & Storage

Shipping condition: Frozen on dry ice.

Storage condition: Liquid nitrogen (LN₂) cryopreservation.

Intended Use

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Culturing Guidance



Morphology: Elongated fusiform, Irregular

Growth Mode: Adherent

Temperature: 37°C

Atmosphere: 5% CO₂

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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