

Mouse Renal Artery Smooth Muscle Cells

Cat. No. ARP0457, 5×10^5 cells/vial

Description

Research on the Mouse Renal Artery Smooth Muscle Cells is essential to the study of renovascular hypertension models, renal artery stenosis, and atherosclerosis studies. The kidneys are two bean-shaped organs responsible for the excretion and regulation of the body's fluids. Its primary functions are filtering blood, removing waste, and excess water to produce urine. Common disorders include nephritis, kidney stones, and kidney failure. The Mouse Renal Artery Smooth Muscle Cells are to be used with Mouse Renal Artery Smooth Muscle Cell Medium (Cat. No. ACM0457). 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: Kidney

Disease: Normal

Species: *Mus musculus* (Mouse)

Genetic Background: N/A

Markers: α -Smooth Muscle Actin (α -SMA)

Symbols: MRASMC

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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