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Rat Femoral Artery Endothelial Cells

Cat. No. ARP0202, 5×10^5 cells/vial

Description

Research on the Rat Femoral Artery Endothelial Cells is essential to the study of peripheral artery disease models, hindlimb ischemia studies, endothelial dysfunction in diabetes, and wire injury-induced neointimal hyperplasia. The femoral artery is a major blood vessel in the thigh and primarily supplies oxygenated blood to the lower limb. It originates below the inguinal ligament as a continuation of the external iliac artery, then travels down along the inner thigh and transitions into the popliteal artery above the knee (in the popliteal fossa). The femoral artery is also a critical site in clinical settings; it is commonly used for emergency bleeding control and vascular access in interventional procedures. The Rat Femoral Artery Endothelial Cells are to be used with Rat Femoral Artery Endothelial Cell Medium (Cat. No. ACM0202). This product is intended for laboratory in vitro use only. It is not intended for diagnostic, therapeutic, or clinical applications.

Specification

Cell Type: Endothelial Cells

Tissue/Organ: Artery (femoral artery)

Disease: Normal

Species: Rattus norvegicus (Rat)

Genetic Background: N/A

Markers: von Willebrand Factor (vWF)

Symbols: RFAEC

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: Cobblestone-like, 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

Ascent Research endeavors to provide accurate and up-to-date product information. However, no warranties or representations are made regarding its completeness or reliability. References to scientific literature and patents are for informational purposes only, and the customer assumes sole responsibility for verifying their accuracy.

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