

Rat Carotid Artery Smooth Muscle Cells

Cat. No. ARP0198, 5×10^5 cells/vial

Description

Research on the Rat Carotid Artery Smooth Muscle Cells is essential to the study of neointimal formation post-angioplasty, vascular calcification, arterial stiffening, and balloon injury-induced remodeling. The carotid arteries are a pair of blood vessels, one on each side of the neck. They supply blood to the brain, face, and neck. The Rat Carotid Artery Smooth Muscle Cells are to be used with Rat Carotid Artery Smooth Muscle Cell Medium (Cat. No. ACM0198). 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: Artery (carotid artery)

Disease: Normal

Species: *Rattus norvegicus* (Rat)

Genetic Background: N/A

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

Symbols: RCASMC

Shipping & Storage

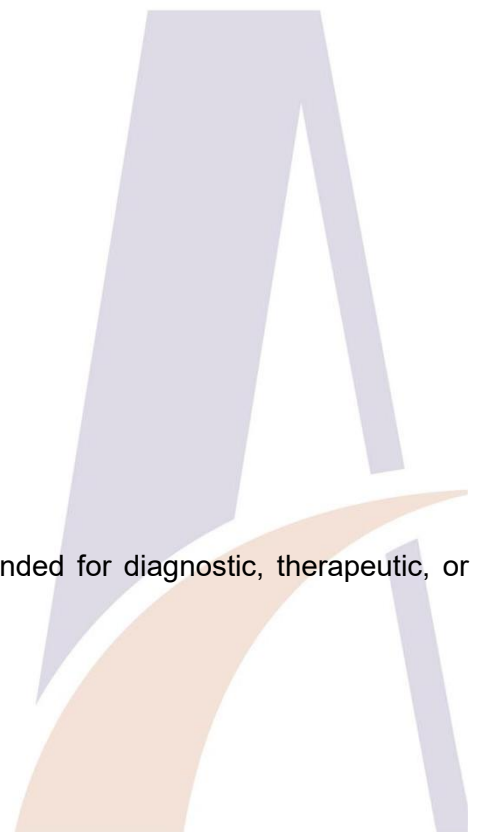
Shipping condition: Frozen on dry ice.

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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