

# Rat Coronary Artery Endothelial Cells

Cat. No. ARP0195,  $5 \times 10^5$  cells/vial

## Description

Research on the Rat Coronary Artery Endothelial Cells is essential to the study of endothelium dysfunction, coronary heart disease, coronary artery disease, atherosclerosis, myocardial ischemia, coronary microvascular dysfunction, and stent restenosis. The coronary arteries are the blood vessels that supply the heart muscle with oxygen-rich blood. They are divided into the left and right branches and encircle the heart in a pattern of “crown”. Narrowing or blockage of the coronary arteries can lead to coronary artery disease (CAD), with common symptoms such as chest pain (angina) and shortness of breath. In severe cases, it may result in myocardial infarction (heart attack) or heart failure. The Rat Coronary Artery Endothelial Cells are to be used with Rat Coronary Artery Endothelial Cell Medium (Cat. No. ACM0195). 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: Heart (coronary artery)

Disease: Normal

Species: *Rattus norvegicus* (Rat)

Genetic Background: N/A

Markers: von Willebrand Factor (vWF)

Symbols: RCAEC

## Shipping & Storage

Shipping condition: Frozen on dry ice.

Storage condition: Liquid nitrogen (LN<sub>2</sub>) cryopreservation.



## Intended Use

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## Culturing Guidance

Morphology: Epithelial-like, Polygonal

Growth Mode: Adherent

Temperature: 37°C

Atmosphere: 5% CO<sub>2</sub>

## 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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