

# Human Umbilical Artery Endothelial Cells

Cat. No. ARP0173,  $5 \times 10^5$  cells/vial

## Description

Research on the Human Umbilical Artery Endothelial Cells is essential to the study of preeclampsia, intrauterine growth restriction (IUGR), gestational diabetes-related endothelial dysfunction, umbilical vein thrombosis, and viral infections affecting placental vasculature. The umbilical arteries are a pair of blood vessels in the umbilical cord, which connect the fetus to the placenta. The umbilical arteries transfer deoxygenated blood and waste from the fetus to the placenta. The Human Umbilical Artery Endothelial Cells are to be used with Human Umbilical Artery Endothelial Cell Medium (Cat. No. ACM0173). 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: Umbilical cord (umbilical arteries)

Disease: N/A

Species: Homo sapiens (Human)

Genetic Background: N/A

Markers: CD31, vWF

Symbols: HUAEC

## Shipping & Storage

Shipping condition: Frozen on dry ice.

Storage condition: Liquid nitrogen (LN<sub>2</sub>) 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: N/A

Growth Mode: N/A

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

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