

Human Umbilical Vein Smooth Muscle Cells

Cat. No. ARP0174, 5×10^5 cells/vial

Description

Research on the Human Umbilical Vein Smooth Muscle Cells is essential to the study of umbilical vein wall remodeling, venous stiffness in preeclampsia, and vascular tone dysregulation in gestational disorders. The umbilical vein is one of three blood vessels in the umbilical cord. It delivers oxygenated and nutrient-rich blood from the placenta to the fetus. The Human Umbilical Vein Smooth Muscle Cells are to be used with Human Umbilical Vein Smooth Muscle Cell Medium (Cat. No. ACM0174). 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: Umbilical cord (umbilical vein)

Disease: N/A

Species: Homo sapiens (Human)

Genetic Background: N/A

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

Symbols: HUVSMC

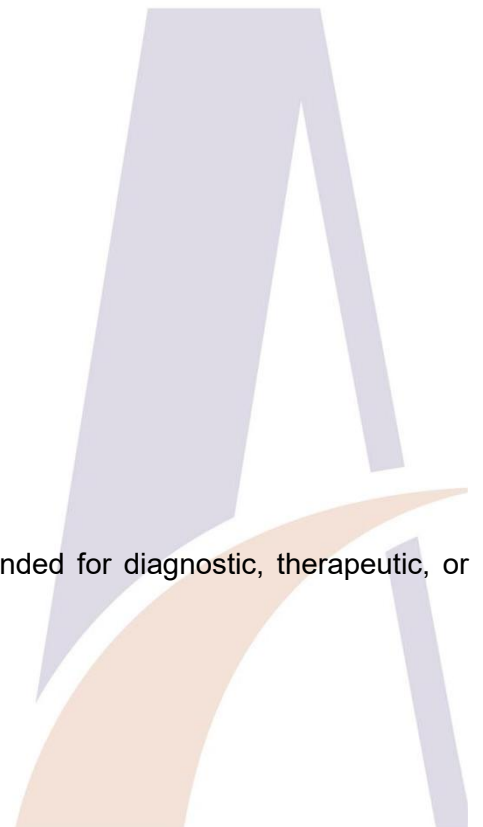
Shipping & Storage

Shipping condition: Frozen on dry ice.

Storage condition: Liquid nitrogen (LN_2) cryopreservation.

Intended Use

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Culturing Guidance

Morphology: N/A

Growth Mode: N/A

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

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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This document was last updated on June 20, 2025.