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Mouse Umbilical Vein Endothelial Cells

Cat. No. ARP0660, 5×10^5 cells/vial

Description

Research on the Mouse Umbilical Vein 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 cord is a significant structure during pregnancy, which connects the fetus to the placenta. It consists of two umbilical arteries and one umbilical vein and is enclosed in a tubular sheath of amniotic fluid. The umbilical cord facilitates the exchange of nutrients and oxygen between the fetus and the placenta and the removal of waste from the fetus to the placenta. The Mouse Umbilical Vein Endothelial Cells are to be used with Mouse Umbilical Vein Endothelial Cell Medium (Cat. No. ACM0660). 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

Disease: N/A

Species: Mus musculus (Mouse)

Genetic Background: N/A

Markers: CD31, vWF

Symbols: MUVEC

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: Epithelial-like

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

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