www.ascentresearch.com
+1-202-949-4794
info@ascentresearch.com

Sheep Pulmonary Microvascular Endothelial Cells

Cat. No. ARP0942, 5×10^5 cells/vial

Description

Research on the Sheep Pulmonary Microvascular Endothelial Cells is essential to the study of acute lung injury, pulmonary hypertension, edema, embolism, and lung cancer development. The lungs are the central organs of the human respiratory system, responsible for gas exchange, delivering oxygen to the blood while removing waste (carbon dioxide). They are a pair of spongy, pinkish-gray organs located in the chest, with their surfaces covered by the pleura. The lungs are connected to the trachea through the bronchi, and their interiors are filled with alveoli, which provide a large surface area for efficient gas exchange during respiration. The Sheep Pulmonary Microvascular Endothelial Cells are to be used with Sheep Pulmonary Microvascular Endothelial Cell Medium (Cat. No. ACM0942). This product is intended for laboratory in vitro use only. It is not intended for diagnostic, therapeutic, or clinical applications.

Specification

Cell Type: Microvascular Endothelial Cells

Tissue/Organ: Lung

Disease: Normal

Species: Ovis aries (Sheep)

Genetic Background: N/A

Markers: CD31

Symbols: SPMEC

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, Polygonal

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

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.