

Rat Airway Epithelial Cells

Cat. No. ARP0189, 5×10^5 cells/vial

Description

Research on the Rat Airway Epithelial Cells is essential to the study of ovalbumin-induced asthma models, cigarette smoke exposure studies, bacterial/viral pneumonia research, and airway injury-repair investigations. The airway/respiratory tract is the pathway responsible for airflow during breathing. It is divided into the upper and lower sections. The Rat Airway Epithelial Cells are to be used with Rat Airway Epithelial Cell Medium (Cat. No. ACM0189). This product is intended for laboratory in vitro use only. It is not intended for diagnostic, therapeutic, or clinical applications.

Specification

Cell Type: Epithelial Cells

Tissue/Organ: Airway/respiratory tract

Disease: N/A

Species: Rattus norvegicus (Rat)

Genetic Background: N/A

Markers: Cytokeratin 19 (CK-19)

Symbols: RAEC

Shipping & Storage

Shipping condition: Frozen on dry ice.

Storage condition: Liquid nitrogen (LN₂) cryopreservation.

Intended Use

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Culturing Guidance

Morphology: Cobblestone-like, Irregular

Growth Mode: Adherent

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.