

# Mouse Airway Epithelial Cells

Cat. No. ARP0432,  $5 \times 10^5$  cells/vial

## Description

Research on the Mouse 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 Mouse Airway Epithelial Cells are to be used with Mouse Airway Epithelial Cell Medium (Cat. No. ACM0432). 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: *Mus musculus* (Mouse)

Genetic Background: N/A

Markers: Cytokeratin 19 (CK-19)

Symbols: MAEC

## 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: Cobblestone-like, Irregular

Growth Mode: Adherent

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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