

# Human Middle Ear Epithelial Cells

Cat. No. ARP0016,  $5 \times 10^5$  cells/vial

## Description

Research on the Human Middle Ear Epithelial Cells is essential to the study of otitis media and cholesteatoma. The ear is the organ responsible for hearing and balance. It has three parts: the outer ear, the middle ear, and the inner ear. These parts work together to convert sound waves into nerve impulses, which are then transmitted to the brain, where they are interpreted as sound. The inner ear also plays a key role in maintaining balance through the vestibular system. The Human Middle Ear Epithelial Cells are to be used with Human Middle Ear Epithelial Cell Medium (Cat. No. ACM0016). 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: Ear

Disease: N/A

Species: Homo sapiens (Human)

Genetic Background: N/A

Markers: Cytokeratin 18, Cytokeratin 19

Symbols: HMEEC

## 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: Epithelial-like

Growth Mode: N/A

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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