

# Mouse Gallbladder Epithelial Cells

Cat. No. ARP0473,  $5 \times 10^5$  cells/vial

## Description

Research on the Mouse Gallbladder Epithelial Cells is essential to the study of cholesterol gallstone formation, biliary dyskinesia, primary sclerosing cholangitis (PSC) models, and gallbladder metaplasia. The gallbladder is a pear-shaped organ located beneath the liver and plays an important role in the digestive system. Its main function is to store and concentrate bile, a digestive fluid produced by the liver that helps digest fats. When food, especially fatty food, is consumed, the gallbladder releases bile into the small intestine to aid in digestion. The health of the gallbladder is influenced by diet and lifestyle habits. Common gallbladder-related conditions include cholecystitis (inflammation), gallstones, and gallbladder polyps. The Mouse Gallbladder Epithelial Cells are to be used with Mouse Gallbladder Epithelial Cell Medium (Cat. No. ACM0473). 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: Gallbladder

Disease: Normal

Species: *Mus musculus* (Mouse)

Genetic Background: N/A

Markers: Cytokeratin 19 (CK-19)

Symbols: MGEC

## Shipping & Storage

Shipping condition: Frozen on dry ice.

Storage condition: Liquid nitrogen (LN<sub>2</sub>) cryopreservation.



## Intended Use

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## Culturing Guidance

Morphology: Epithelial-like, Polygonal

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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