

# Rat Pancreatic Acinar Epithelial Cells

Cat. No. ARP0283,  $5 \times 10^5$  cells/vial

## Description

Research on the Rat Pancreatic Acinar Epithelial Cells is essential to the study of acute pancreatitis, chronic pancreatitis, pancreatic acinar-to-ductal metaplasia, and pancreatic intraepithelial neoplasia (PanIN) formation. The pancreas is an important gland in the digestive system. It is located in the abdomen, behind the stomach. It produces digestive enzymes to assist in breaking down food, and secretes insulin and glucagon to regulate blood glucose. Researchers often study its functions for endocrine disorders, such as type 1 and type 2 diabetes. The Rat Pancreatic Acinar Epithelial Cells are to be used with Rat Pancreatic Acinar Epithelial Cell Medium (Cat. No. ACM0283). 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: Pancreas

Disease: Normal

Species: *Rattus norvegicus* (Rat)

Genetic Background: N/A

Markers: Pancreatic Carboxypeptidase A1 (CAP1)

Symbols: RPAEC

## 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

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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