

Human Esophageal Epithelial Cells

Cat. No. ARP0042, 5×10^5 cells/vial

Description

Research on the Human Esophageal Epithelial Cells is essential to the study of esophageal cancer, Barrett's esophagus, esophageal squamous cell carcinoma, esophageal adenocarcinoma, and reflux esophagitis. The esophagus is a muscular tube that connects the throat (pharynx) to the stomach. It uses rhythmic muscular contractions called peristalsis to transport food from the mouth to the stomach. It is divided into cervical, thoracic, and abdominal sections. The Human Esophageal Epithelial Cells are to be used with Human Esophageal Epithelial Cell Medium (Cat. No. ACM0042). 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: Esophagus

Disease: N/A

Species: Homo sapiens (Human)

Genetic Background: N/A

Markers: Cytokeratin 18, Cytokeratin 19

Symbols: HEEC

Shipping & Storage

Shipping condition: Frozen on dry ice.

Storage condition: Liquid nitrogen (LN₂) cryopreservation.

Intended Use

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Culturing Guidance

Morphology: Epithelial-like

Growth Mode: N/A

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

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