

Bovine Small Intestinal Mucosal Epithelial Cells

Cat. No. ARP0975, 5×10^5 cells/vial

Description

Research on the Bovine Small Intestinal Mucosal Epithelial Cells is essential to the study of chemotherapy-induced mucositis, ischemia-reperfusion injury, rotavirus infection, and nutrient absorption studies. The intestine, also known as the bowel, is a long, muscular tube that extends from the stomach to the anus. It plays a crucial role in the digestive system, with its primary functions being food digestion and nutrient absorption. The intestine is divided into two main sections: the small intestine and the large intestine, each contributing to different stages of digestion and waste processing. The Bovine Small Intestinal Mucosal Epithelial Cells are to be used with Bovine Small Intestinal Mucosal Epithelial Cell Medium (Cat. No. ACM0975). 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: Intestine

Disease: Normal

Species: *Bos taurus* (Cattle)

Genetic Background: N/A

Markers: Cytokeratin 19 (CK-19)

Symbols: BSIMEC

Shipping & Storage

Shipping condition: Frozen on dry ice.

Storage condition: Liquid nitrogen (LN₂) cryopreservation.

Intended Use

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Culturing Guidance

Morphology: Cobblestone-like, Irregular

Growth Mode: Adherent

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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