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16HBE

Cat. No. ARI0001, 1×10^6 cells/vial

Description

16HBE is an immortalized cell line of epithelial cells transformed by Simian virus 40 (SV40). It is used to model the barrier function of the airway epithelium and to study respiratory ion transport as well as the function of CFTR.

Specification

Cell Type: Epithelial cell

Tissue/Organ: Lung (bronchus)

Derived from Site: Bronchus epithelium

Disease: Normal

Species: Homo sapiens (Human)

Genetic Background: N/A

Marker: N/A

Sex of Donor: Male

Age: 1 year

Immortalization Method: Simian virus 40 (SV40)

Shipping & Storage

Shipping condition: Frozen on dry ice.

Storage condition: Liquid nitrogen (LN_2) 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: Adherent

Temperature: 37°C

Atmosphere: 5% CO_2

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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