Cat. No. LE-HN-081

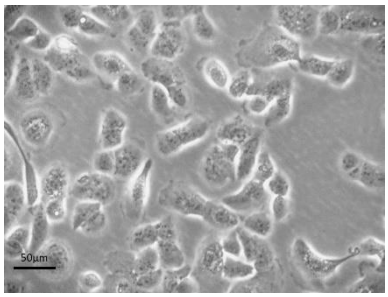
Human Primary Airway Epithelial Cells - Secondary Bronchi

A primary cell isolate with application in cell-based screening and life science research

The primary cell isolate was prepared from human tissue obtained with full ethical permission. Cells were isolated by enzymatic digestion and cultured in optimal conditions for epithelial growth. Cells were banked and cryopreserved under liquid nitrogen. The cell population was analysed by fluorescence-activated flow cytometry.

DONOR TISSUE FEATURES

- Male donor, Caucasian, 38 years
- Airway secondary bronchi
- Additional donor history available on request



Cell morphology. Cells in culture were photographed using a phase contrast microscope. (Bar 50µm)

CELL CHARACTERISTICS

Batch number:	12-1611SBT
Vial content:	0.5x10^6 cells
Appearance:	Rounded flat cells with central nuclei
Seeding density:	5,000 - 6,000 cells/cm^2
Surface coating:	Human type IV collagen
Culture medium:	BEGM (Lonza)
Recovery from frozen:	74%
Doubling time:	2 days
Mycoplasma test:	Negative (by real-time PCR mycoplasma assay)
Virus tests:	HIV-1, HIV-2, HBV, HCV, HTLV1, HTLV2 (Negative - Serology screening)
Other tests:	Yeast, fungus (Negative)

FLOW CYTOMETRY CELL ANALYSIS

Cell Marker	Target Description	Population Positive*
Epi-CAM (CD326)	Epithelial marker	96.8%
E-Cadherin	Epithelial marker	57.8%

*Percentage of cells with fluorescence greater than the isotype control background

USES AND RESTRICTIONS

- Store at -150°C. Once thawed do not re-freeze
- For research use ONLY — not suitable for *in vitro* diagnostic use or human or animal treatment
- Potential biohazard — handle with care

Leaders in Cell Culture

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