

HBL-100

Cat. No. ARI0047, 1×10^6 cells/vial

Description

HEL-100 is a human cell line established from the breast milk of a healthy female donor with no family history of breast cancer. Although derived from the non-cancerous tissue, HEL-100 cells exhibit several features indicative of transformation. By the 7th passage, karyotype analysis revealed chromosomal abnormalities. Ultrastructural examination via electron microscopy showed the presence of microfilaments, tension fibrils, and desmosomes. It showed the integration of SV40 viral genes into the genome in southern blot analysis.

Specification

Cell Type: N/A

Tissue/Organ: Mammary gland

Derived from Site: N/A

Disease: N/A

Species: Homo sapiens (Human)

Genetic Background: N/A

Marker: N/A

Sex of Donor: Female

Age: 27 years

Immortalization Method: Simian virus 40 (SV40)

Shipping & Storage

Shipping condition: Frozen on dry ice.

Storage condition: Liquid nitrogen (LN₂) 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% 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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