

Immortalized Human Cardiomyocytes

Cat. No. ARI0291, 1x10⁶ cells/vial

Description

Immortalized Human Cardiomyocytes are derived from heart and have been immortalized to enable stable proliferation and extended culture in vitro. These cells provide a reliable in vitro model for studies of heart, disease mechanisms, drug screening, and related biomedical research.

Specification

Cell Type: Muscle cell

Tissue/Organ: Heart

Derived from Site: N/A

Disease: N/A

Species: Homo sapiens (Human)

Genetic Background: N/A

Age: N/A

Immortalization Method: CDK4, hTERT, and Bmi-1

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: Multipolar

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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