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AC16

Cat. No. ARI0223, 1×10^6 cells/vial

Description

AC16 is a hybrid cell line created by fusing adult ventricular cardiomyocytes with a human fibroblast cell line that is SV40-transformed, uridine-dependent, and lacks mitochondrial DNA. These cells have the ability to differentiate when grown in mitogen-free conditions and are valuable for investigating the developmental processes of cardiomyocytes. These cells are used to study the developmental regulation of cardiomyocytes.

Specification

Cell Type: Hybrid cell line
Tissue/Organ: Heart
Derived from Site: Ventricle
Disease: Normal
Species: Homo sapiens (Human)
Genetic Background: N/A
Sex of Donor: Unknown
Age: Unknown

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: Cardiomyocyte

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

Ascent Research endeavors to provide accurate and up-to-date product information. However, no warranties or representations are made regarding its completeness or reliability. References to scientific literature and patents are for informational purposes only, and the customer assumes sole responsibility for verifying their accuracy.

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