

Cellartis® Cardiomyocytes (from ChiPSC22)

Catalog No.

Y10076 (Not sold separately)
Sold as a part of Y10075

Amount

1 vial

Lot Number

Specified on product label

Description

Cellartis Cardiomyocytes (from ChiPSC22) are human cardiomyocytes derived from Cellartis Human iPS Cell Line 22 (ChiPSC22). The cells have been differentiated into spontaneously beating cardiomyocytes *in vitro*, dissociated into a cell suspension, and frozen in vials.

Package Contents

- 1 vial of Cellartis Cardiomyocytes (from ChiPSC22) ($\geq 3 \times 10^6$ viable cells/vial)

Storage Conditions

- Store cells in liquid nitrogen (-196°C) or in a -150°C freezer

Shelf Life

- 1 year from date of receipt under proper storage conditions

Storage Medium

- STEM-CELLBANKER® (Zenoaq Resource Co.Ltd. Cat. No. ZR636)

Shipping Conditions

- Dry ice (-70°C)

Product Documents

Documents for Takara Bio Europe AB products are available for download at www.takarabio.com/manuals
The following documents apply to this product:

- Cellartis Cardiomyocytes User Manual

Cell Type Information

Cellartis Cardiomyocytes (from ChiPSC22) are human cardiomyocytes derived from Cellartis Human iPS Cell Line 22 (ChiPSC22) (Cat. No. Y00320; not sold separately).

Recommended Cell Culture Medium and Coating Substrate

Cellartis Cardiomyocytes (from ChiPSC22) are thawed and plated on fibronectin-coated cell culture vessels in Cellartis CM Thawing Base with addition of 20% FBS and 10 μM Y-27632. For maintenance medium and other required materials, refer to the user manual.

Keep thawed Cellartis Cardiomyocytes (from ChiPSC22) at $37^\circ\text{C} \pm 1^\circ\text{C}$, 5 % CO_2 , and $>90\%$ humidity.

Takara Bio Europe AB

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Certificate of Analysis

Cat. No. Y10076

Cellartis Cardiomyocytes (from ChiPSC22) (Not sold separately)

Sold as part of Cat. No. Y10075

Safety Precautions

Cellartis Cardiomyocytes (from ChiPSC22) contain human source material and should be treated as potentially infectious. Discard cell contaminated materials according to local regulations.

Wear suitable protective clothing, safety glasses, and gloves when handling liquid nitrogen.

Quality Control Data

Functional Tests

Cellartis Cardiomyocytes (from ChiPSC22) cell morphology has been evaluated and confirmed on the day of freezing and day 4 after thawing. The morphology is a confluent, spontaneously beating cell layer.

Cell viability is measured with Flow Cytometry (FC) using Guava ViaCount reagent.

The percentage of >80% c-Troponin T positive single cells is measured with FC at day 4 after thawing.

***Mycoplasma* Contamination Test**

Cellartis Cardiomyocytes (from ChiPSC22) have been tested and found to be free of *Mycoplasma* contamination.

Bacterial and Fungal Contamination Test

Cellartis Cardiomyocytes (from ChiPSC22) have been tested and found to be free of bacterial and fungal contamination.

Human Viral Contamination Test

The primary cell line used to establish this product has been verified to be negative for human viruses (HBV, HCV, HIV1, HIV2, HTLV1, and HTLV2).

Notice to Purchaser

This product is for research use only. It is not intended for use in therapeutic or diagnostic procedures for humans or animals. Also, do not use this product as food, cosmetic, or household item, etc.

This product may not be resold or transferred, modified for resale or transfer, or used to manufacture commercial products without written approval from Takara Bio Europe AB.

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STATEMENT L67

This product is covered by one or more claims of the issued patents and pending patent applications: U.S. Patent Nos. 8,048,999, 8,058,065, 8,129,187, 8,211,697, 8,257,941, 8,278,104, 8,530,238, 8,900,871, 8,927,277, 8,951,801, 9,213,999, 9,404,124, 9,499,797, 9,677,141 and 9,714,433, and foreign counterparts thereof, including their divisions, continuations, extensions, substitutions, and those claiming priority therefrom or those claiming the same priorities therein.

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"Product" means the differentiated cells manufactured and sold by Takara Bio Inc.

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- 2) Use of this Product for the diagnostic testing, prevention, or treatment of human and/or animal diseases.
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