

Cellartis® Human iPS Cell Line 22 (ChiPSC22)

Catalog No.

Y00320 (Not sold separately)
Sold as a part of Y00325

Amount

1 vial

Lot Number

Specified on product label

Description

Cellartis Human iPS Cell Line 22 (ChiPSC22) contains human induced pluripotent stem (hiPS) cells frozen as a single-cell suspension ($\geq 1.5 \times 10^6$ viable cells/vial). Prior to cryopreservation, the cells were cultured using the Cellartis DEF-CS™ 500 Culture System (Cat. No. Y30010). Cellartis Human iPS Cell Line 22 (ChiPSC22) is sold as a part of the Cellartis Human iPS Cell Line 22 (ChiPSC22) Kit, which also contains the Cellartis DEF-CS 100 Culture System – a complete system optimized for hiPS cell cultures. The Cellartis DEF-CS 500 Culture System should be purchased separately for continued culturing of Cellartis hiPS cell lines.

Package Contents

- 1 vial of Cellartis Human iPS Cell Line 22 (ChiPSC22) ($\geq 1.5 \times 10^6$ viable cells/vial)

Storage Conditions

- Store cells at -150°C or -196°C (liquid nitrogen vapor phase)

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 document applies to this product:

- Cellartis Human iPS Cell Lines User Manual

Cell Type Information

Derivation

Human skin fibroblasts have been reprogrammed using defective polycistronic retrovirus technology combined with *Oct-4*, *SOX-2*, *KLF-4*, and *c-Myc*. The cell line origin has been confirmed by cell line authentication. The cells have been tested and are negative for the presence of recombinant competent retroviruses by reverse transcriptase activity assay, which confirms the absence of replication-competent retroviruses in culture.

The hiPSC derivation process at Takara Bio Europe AB follows all applicable laws in Sweden and EU and is approved by the EudraCT and the French Ethics Committee (CPP ICF XI/ Les Comités de protection des personnes (CPP)).

Takara Bio Europe AB.

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Certificate of Analysis

Cat. No. Y00320

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Donor

Skin fibroblasts from a human 32-year-old adult male (European/North African), healthy volunteer (74 kg/179 cm).

The tissues used by Takara Bio Europe AB for the reprogramming of somatic cells into hiPSC are from donors who have signed informed consent which outlines in detail the purpose of the donation and the procedure for processing of the donated tissue. In order to protect the privacy and the confidentiality of the donors, all identifiers associated with the donors have been removed. The donor consent was obtained for commercial use. Notably, the donation did not result in any financial gain for the donors.

HLA typification data

HLA-A*02:01

HLA-B*07:02, HLA-B*40:01

HLA-C*03:04, HLA-C*07:02

HLA-DRB1*13:02, HLA-DRB1*14:01

HLA-DQB1*05:03, HLA-DQB1*06:04

HLA-DPB1*03:01, HLA-DPB1*04:01

Recommended Cell Culture Medium and Coating Substrate

Cellartis Human iPS Cell Line 22 (ChiPSC22) should be used with the Cellartis DEF-CS 500 Culture System (Cat. No. Y30010), which contains coating substrate, additives, and basal medium for optimal culture of pluripotent cell lines.

Using other coating substrates or mediums may require optimization by the customer. Keep thawed Cellartis Human iPS Cell Line 22 (ChiPSC22) at 37°C ±1°C, 5% CO₂, and >90% humidity.

Safety Precautions

Cellartis Human iPS Cell Line 22 (ChiPSC22) contains 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.

Additional Notes

The cells are frozen as a single-cell suspension.

Quality Control Data

Functional Tests

Each lot of Cellartis Human iPS Cell Line 22 (ChiPSC22) has been tested for thaw recovery, morphology, growth rate, karyotyping, expression of pluripotency markers (OCT-4, TRA-1-60, TRA-1-81, and SSEA-4), and absence of a differentiation marker (SSEA-1).

Mycoplasma Contamination Test

Each lot of Cellartis Human iPS Cell Line 22 (ChiPSC22) has been tested and found to be free of *Mycoplasma* contamination.

Bacterial and Fungal Contamination Test

Each lot of Cellartis Human iPS Cell Line 22 (ChiPSC22) has 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.

If you require licenses for other use, please contact us by phone at +46.(0)31.758.0900.

Your use of this product is also subject to compliance with any applicable licensing requirements as detailed below, in our catalogues, on our website at <http://www.takarabio.com>, on the label or other documentation accompanying the goods. It is your responsibility to review, understand and adhere to any restrictions imposed by such statements.

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For-Profit Entities in North America wishing to purchase this product are required to submit a completed copy of the Human iPS Cell Line license agreement to US. For details please contact licensing@takarabio.com

STATEMENT L44

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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The use of iPSCs generated by this product is not allowed for the purposes of the intended use as described below: 1) Creation of a human clone through transplantation of iPSCs-derived embryos into human or animal individuals, 2) iPSCs transplantation into human embryos, 3) iPSCs transplantation into human fetuses, and 4) Production of human embryos using iPSCs-derived germ cells.

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