Cellartis® Definitive Endoderm Cells (from ChiPSC18)

Catalog No.        Amount        Lot Number
Y10040                1 vial        Specified on product label

Description
Cellartis Definitive Endoderm Cells (from ChiPSC18) are human definitive endoderm (DE) cells derived from Cellartis Human iPS Cell Line 18 (ChiPSC18). The cells have been differentiated to definitive endoderm cells in vitro, dissociated to a cell suspension, and frozen in vials.

Package Contents
- 1 vial of Cellartis Definitive Endoderm Cells (from ChiPSC18) (≥ 6 x 10⁶ 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
- Cell freezing medium containing 10% DMSO

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 Definitive Endoderm Cells (from ChiPSC18) User Manual
- Cellartis Hepatocyte Differentiation Kit User Manual

Cell Type Information
Cellartis Definitive Endoderm Cells (from ChiPSC18) are human DE cells derived from Cellartis Human iPS Cell Line 18 (ChiPSC18) (Cat. No. Y00300; not sold separately).

Recommended Cell Culture Medium and Coating Substrate
For further differentiation of DE cells into hepatocytes it is strongly recommended to use the Cellartis Hepatocyte Differentiation Kit (Cat. No. Y30050) with a recommended seeding density of 1.25 x 10⁵ DE cells/cm².

For other applications, DE cells can be seeded on Cellartis DEF-CST™ 500 COAT-1 (Cat. No. Y30012) or iMatrix-511 (Cat. No. T303). Thawing on other coatings might require optimization depending on the chosen application.

Keep thawed Cellartis Definitive Endoderm Cells (from ChiPSC18) at 37°C ±1°C, 5% CO₂ and ≥90% humidity.
Safety Precautions
Cellartis Definitive Endoderm Cells (from ChiPSC18) 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.

Additional Notes
One vial contains 6 million viable DE cells and the cells can be seeded into any format; e.g. 96-well plates, 24-well plates, or T25 cell culture flasks.

Quality Control Data

Functional Tests
Cellartis Definitive Endoderm Cells (from ChiPSC18) morphology has been evaluated and confirmed after thawing. Expression of SOX-17 and lack of OCT-4 have been confirmed by ICC.

Mycoplasma Contamination Test
Cellartis Definitive Endoderm Cells (from ChiPSC18) have been tested and found to be free of Mycoplasma contamination.

Bacterial and Fungal Contamination Test
Cellartis Definitive Endoderm Cells (from ChiPSC18) 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)
Certificate of Analysis

Cat. No. Y10040

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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.

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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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Purchaser may use this Product for its own Internal research purposes.

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