celogics

PRODUCT DATA SHEET

Product Information

Celogics is committed to providing fully functional human cardiomyocytes for various experiments in the cardiovascular field. Celo.Cardiomyocytes are derived from induced pluripotent stem cells (iPSCs) using proprietary protocols to optimize the user experience by prioritizing purity, reproducibility, and electrophysiology. Our proprietary Advanced Media is designed to enhance the electrophysiological profiles of Celo. Cardiomyocytes by promoting both maturation and excitation-contraction coupling. Together with Advanced Media, Celo.Cardiomyocytes have been validated on multiple electrophysiological platforms and demonstrate synchronous beating with physiologically relevant field potential duration (FPD), high calcium influx and strong contraction. Celo.Cardiomyocytes are a reliable source of human iPSC-derived cardiomyocytes, making them an excellent choice for advanced science in tissue-specific research, toxicity screening, efficacy testing and drug discovery.

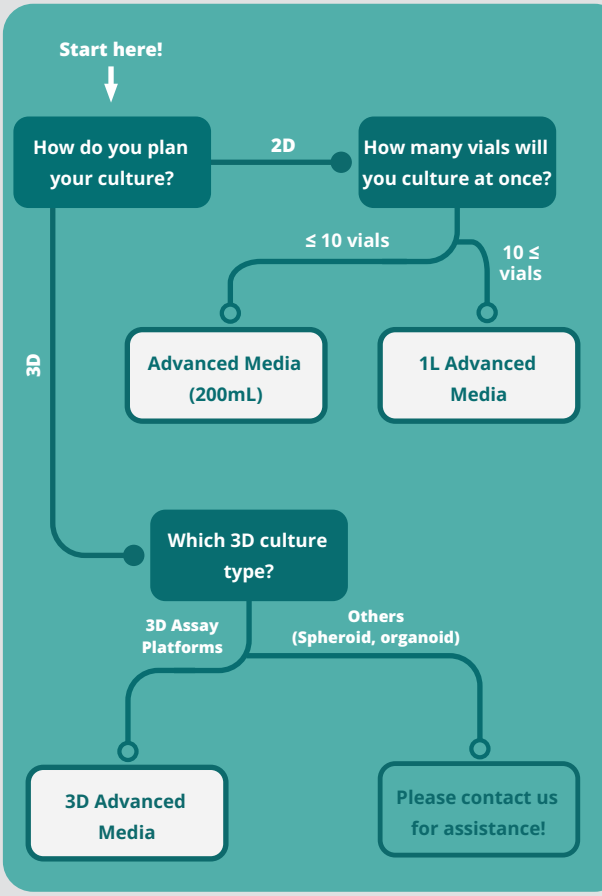
Cell type	Human iPSC-derived Cardiomyocytes
Volume	Approximately 1 mL (≥ 5 x 10^6 cells per vial)
Product format	Cryopreserved cells in the optimized cryopreservation medium
Source	Differentiated from a human iPSC line (fibroblast, male donor)
Expiration date	Printed on individual vials (≤2 years from manufacturing)
Quality control	Please refer to the CoA for lot-specific information.

Application

The primary use of Celo.Cardiomyocytes is to create an in vitro model of cardiac tissue. When coupled with platforms such as Axion MEA and Nanion CardioEXcyte, it enables the measurement of electrophysiological activity. Researchers can explore 3D assays, micromodels, and organoids with different platforms and methods to induce cardiomyocyte maturation or mimic physiological conditions.

- Biosafety Level 1 or equivalent local directives.
- For in vitro research use only, not intended for human or animal *in vivo* applications.
- Please refer to 'Celo.Cardiomyocytes User Guide' for more detail on safety information and handling procedures.

Media Selection Guide



Celogic Suit™

Customized iPSC differentiation

Celogic Suit™ is a quick and optimized service that eliminates client-side risk. With strick quality control, our cell products are of standardized quality with minimal variation.

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