

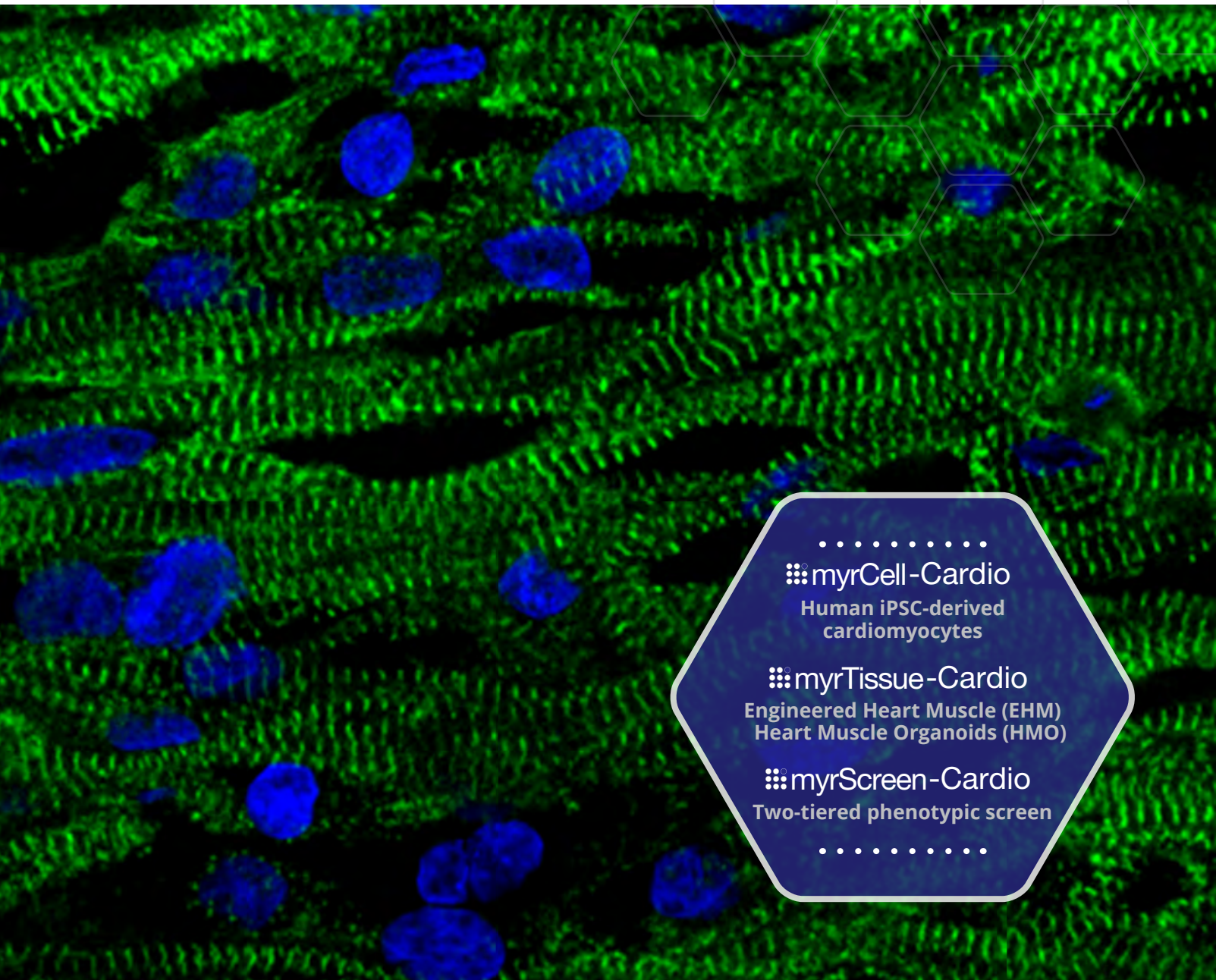


THE DRUG DEVELOPMENT ACCELERATOR

Heart muscle product portfolio:

- myrCell-Cardio
- myrTissue-Cardio
- myrScreen-Cardio

Sarcomeric Actinin / Nuclei



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myrCell-Cardio

Human iPSC-derived
cardiomyocytes

myrTissue-Cardio

Engineered Heart Muscle (EHM)
Heart Muscle Organoids (HMO)

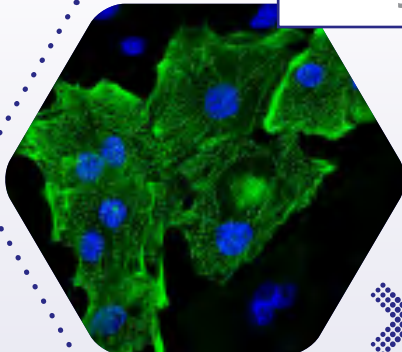
myrScreen-Cardio

Two-tiered phenotypic screen
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PRODUCT INFORMATION

myrCell-Cardio

Human iPSC-derived cardiomyocytes from:



- Healthy subjects
- Patients with hereditary heart disease
- CRISPR-engineered iPSC-lines
- Isogenic iPSC-lines as controls

➤ **Cryopreserved myrCells available for shipping to customer**

myrTissue-Cardio

Human iPSC-derived heart muscle developed from myrCells to simulate heart function from:

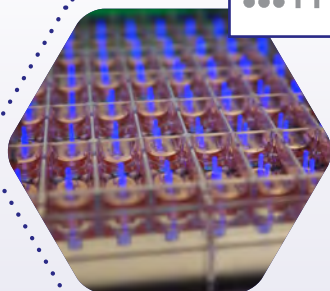
- Healthy subjects
- Diseased subjects

➤ **Living, frozen or formaldehyde-fixed myrTissue available for shipping to customer**



myrScreen-Cardio

Two-tiered phenotypic screening:



- Video-optic **myrImager** screen in 48-well **myrPlate** format
- Individual biophysical analyses of **myrTissue**

➤ **Testing of acute and chronic drug effects**
Screens designed according to customer requirements

KEY BENEFITS AT A GLANCE

- **Human-centric drug development**
- **Dilated, hypertrophic, arrhythmogenic cardiomyopathies**
- **Cell & tissue models on demand or custom engineered**
- **Deep phenotyping of organotypic properties**
- **Support by myrTeam with unsurpassed expertise**

REFERENCES

Tiburcy et al. 2017 Circulation, Streckfuss-Bömeke et al. 2017 J Mol Cell Cardiol, Long et al. 2018 Sci Adv, Tiburcy et al. 2020 STAR Protoc, Hanses et al. 2020 Circulation, Fomin et al. 2021 Sci Transl Med, Del Campo et al. 2022 Cardiovasc Res, Seiberts et al. 2024 Cardiovasc Res, Kyriakopoulou et al. 2024 Nat Cardiovasc Res, WO2015/025030, WO2015/040142, WO2017/207431

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