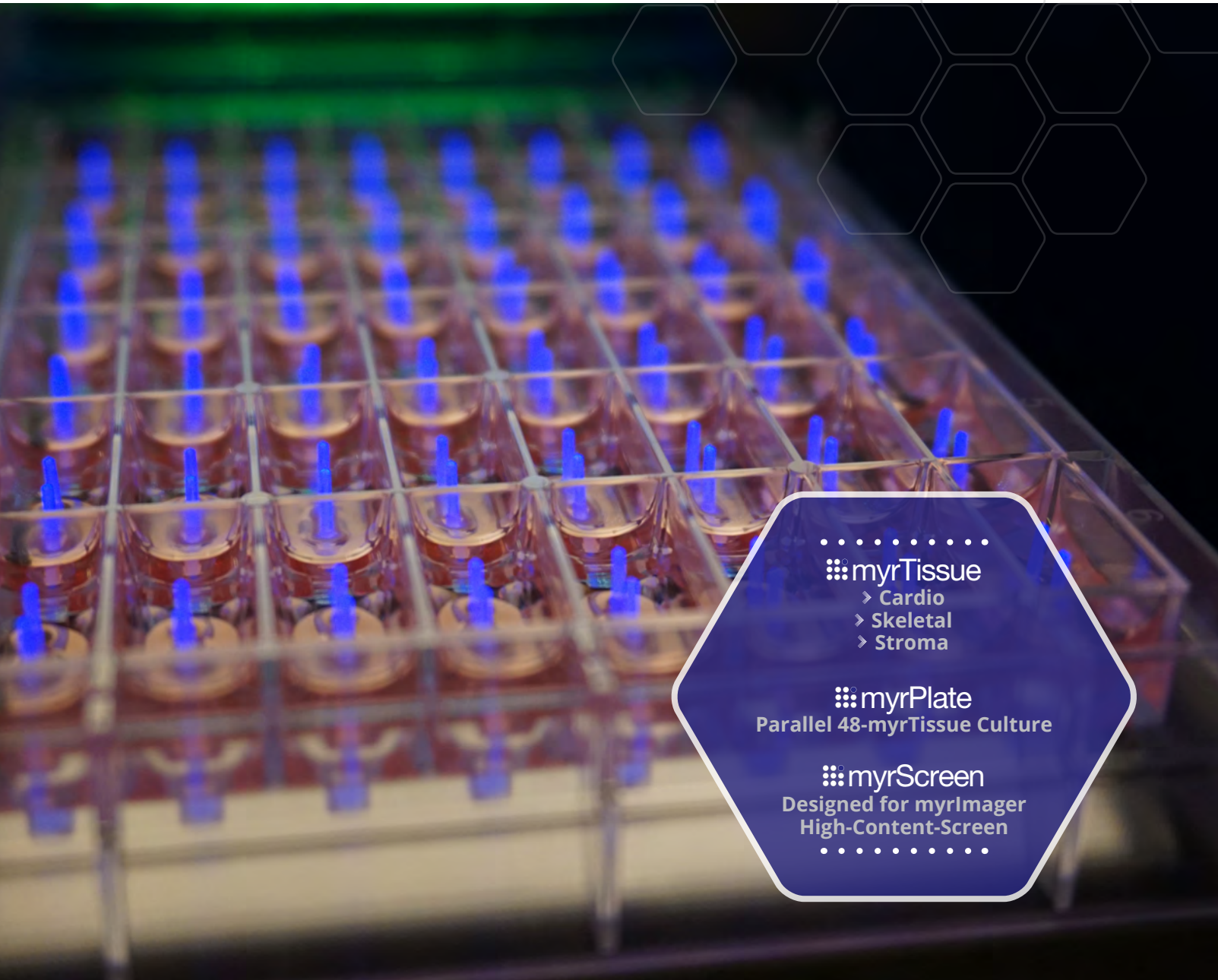




**THE DRUG DEVELOPMENT
ACCELERATOR**

myrPlates
Designed to enable

 myrPlate



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 myrTissue

- > Cardio
- > Skeletal
- > Stroma

 myrPlate

Parallel 48-myrTissue Culture

 myrScreen

Designed for myrImager
High-Content-Screen

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PRODUCT INFORMATION

TECHNICAL INFORMATION

Dimensions: L x W = 128 mm x 86 mm
height = 17 mm
height with lid = 19 mm

Sterilized by γ -irradiation - ready to use

 myrCell



 myrTissue



 myrPlate



 myrImager



 myrScreen

DESIGNED FOR PARALLEL CULTURE OF 48

- › myrTissue-Cardio
- › myrTissue-Skeletal
- › myrTissue-Stroma

SELECT TISSUE SUSPENSION MODE (SOFT TO STIFF)

- › TM4 - E-modulus: 3.63 N/mm²
- › TM5 - E-modulus: 4.73 N/mm²
- › TM6 - E-modulus: 6.08 N/mm²
- › TM7 - E-modulus: 8.33 N/mm²
- › TM8 - E-modulus: 12.46 N/mm²
- › TM9 - E-modulus: 20.49 N/mm²

SELECT ALL-IN-ONE

- › TM4 - TM9 Gradient Plate

E-modulus calculated according to Kunz and Studer (Kunststoffe international 96 (6) (2006) 92-94)

KEY BENEFITS AT A GLANCE

- › *Standardization of myrTissue production*
- › *Parallel culture of 48 myrTissue (up to 12 months)*
- › *Automation / high-through-put ready*
- › *Designed to simulate biophysical properties of tissue*
- › *Ready for analysis in myrImager*
- › *Versatile use with different tissue / organoid models*

REFERENCES

Heart Muscle: 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
Skeletal Muscle: Shahriyari et al. 2022 J Cachexia Sarcopenia Muscle, Shahriyari et al. 2023 STAR Protoc, WO2017/207431, WO2021/074126
Connective tissue: Santos et al. 2019 J Mol Cell Cardiol, Kittana et al. 2021 Int J Nanomedicine, Santos et al. 2021 J Vis Exp, Santos et al. 2022 Biomater Adv, WO2017/207431, WO2022/023451

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