



**Advance new therapies.
Stay human.**

Advance your model with our Beating-Organs-on Chip

Combine 3D culture with a tunable and controlled mechanical stimulation to reproduce the desired native-like environment, enabling the generation of a mechanically active replica in vitro.



Representative of Human Organs



Alternative to animal use

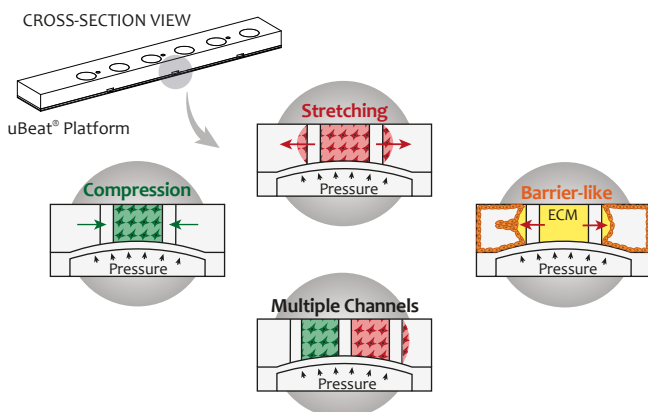


Cost & Time saving

BiomimX
THE BEATING ORGANS-ON-CHIP

Choose the uBeat® configuration that best fits your needs

Customize your tissue models by introducing key mechanical stimulation patterns



1 Choose cell type and matrix for a 3D cell culture

2 Add the desired mechanical stimulation with uBeat® Platform

3 Develop the biological model of your choice

OUR PRODUCTS

uBoX

- Control system for mechanical stimulation
- Pre-set stimulation patterns for specific organs
- Customizable stimulation pattern upon request



uBeat® Platform

- 3 biologically independent microtissues (<math><0,5 \mu\text{l}</math>)
- Standard glass slide format (24x60mm)
- Up to 4 Platforms housed in a multiwell plate format
- Compatible with live and offline microscopy
- Compatible analyses: imaging, molecular biology, ELISA, omics, electrical recording

2 versions of
uBeat® Platform
available



uBeat® Stretch

10%

deformation level

uBeat® Compress

10%

30%

deformation level

OUR OFFER

for your first order



STARTING PACKAGE

3 uBeat®
Platform kits + uBoX

36 uBeat® Platforms

for the next orders



ADDITIONAL KIT

1 uBeat® Platform kit

12 uBeat® Platforms



TWIN HELIX S.r.l
Via Federico Borromeo 4 - 20017 RHO (MI) - Italy
phone +390289450270 - fax +390289450279
email info@twinhelix.eu - www.twinhelix.eu

