BI/OND

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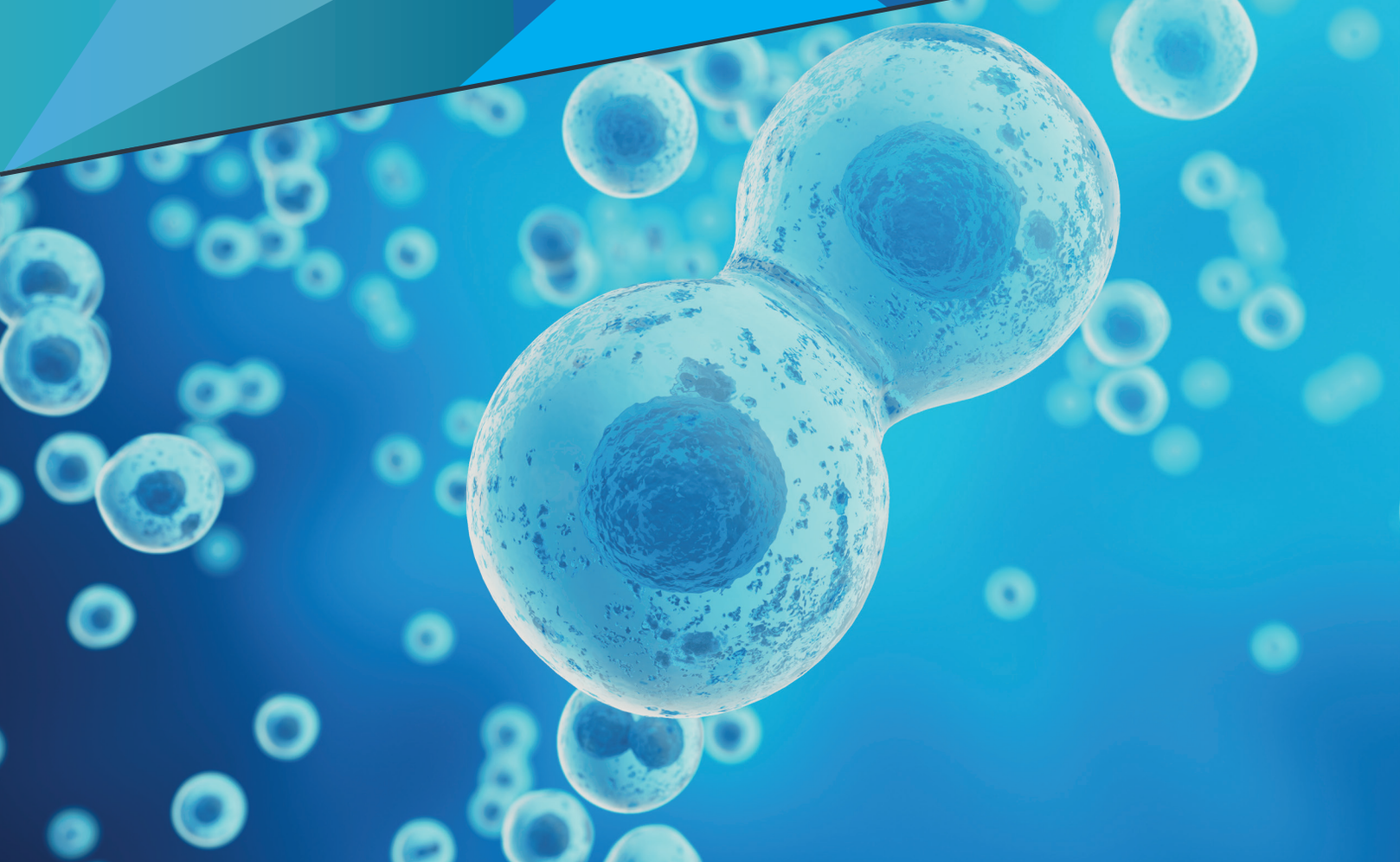
The Versatile Organ-on-chip platform.

Dynamic cell culture environment,
built for biologists, by engineers.



BI/OND empowers biologists with hard-ware solutions for cell-based assays.

BI/OND's customizable Organ-on-Chips (OOCs) are built to outperform the limitation of standard in vitro assays. In the early phase of drug testing, Petri dishes and animals can fall short of predicting what happens inside the human body. To achieve accurate disease models and thus better medicine, it is fundamental to recreate human physiology and pathology. BI/OND offers unique hardware solutions for OOC applications that can be used to achieve this goal.

BI/OND's products are based on silicon, the same material that the "brain" of your computer or phone is made of. The combination of silicon with polymers, know-how developed over the past 6 years, makes our platform unique and extremely versatile for OOC applications. Through our advanced and customizable solutions, we reproduce dynamic cell environments for biologists that demand nothing less. Moreover, our young and enthusiastic team is here to develop and experiment on new technologies together with our customers.

We as engineers constantly research and develop hardware solutions to help you, biologist, to concentrate on what you do best.

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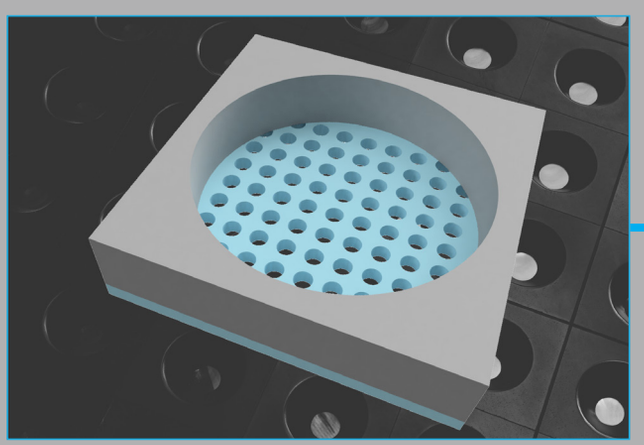
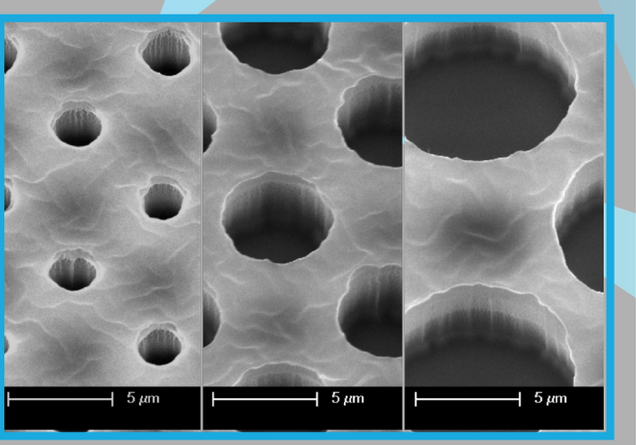
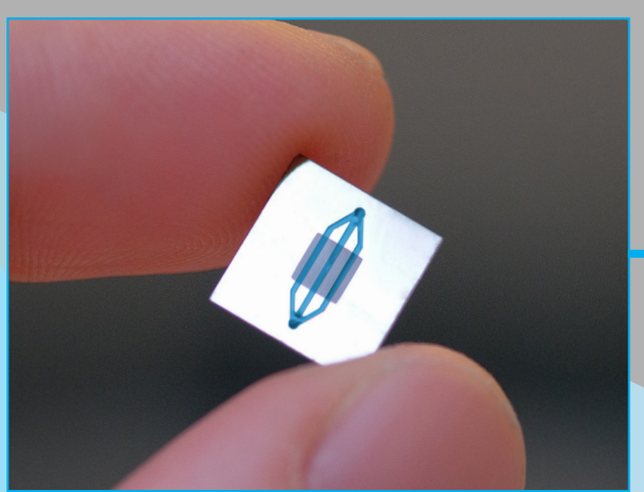
Versatile Organ-on-chip Platform.

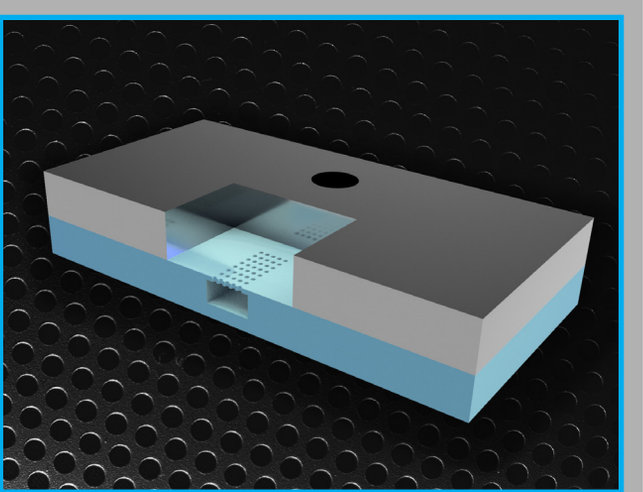




Porous Membranes
This customizable porous membrane can be adapted to existing Lab-on-Chip and Organ-on-Chip devices. This product stands out for its wide application scope due to its accurate control in porosity, porous sizes and surface area.

Specifications
Pore size (Diameter): 2 µm - 20 µm
Membrane thickness: 2 µm - 15 µm
Membrane Porosity: 2-65%





Microfluidic Device
This product is a dynamic cells culture environment optimized for Organ-on-Chip and Lab-on-Chip applications. It consists of a network of microfluidic channels located under an open well. The wells are made to be compatible with 2D and 3D tissues.

Characteristics
Equipped with our porous membranes
Fully customizable microfluidic channels
Open-well and closed-well format

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IN VITRO JUST LIKE IN VIVO

- Tissue Co-culture
- Microfluidic technology
- Mechanical stimulation

MULTI-WELL PLATE FORMAT

- Fully compatible with imaging
- Parallel tests

EASY-TO-USE

- Well accessible
- Adapted to your daily basis activities

VERSATILITY & CUSTOMIZATION

- 3D and 2D tissue models
- Open and closed system

DATA RECORDING

- Compatible with your read-out system

GRAB A COFFEE WITH US!

- We offer full support by our highly skilled engineers

WE CREATE HARDWARE – YOU DECIDE WHAT HAPPENS NEXT

"Let's keep in touch!"

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