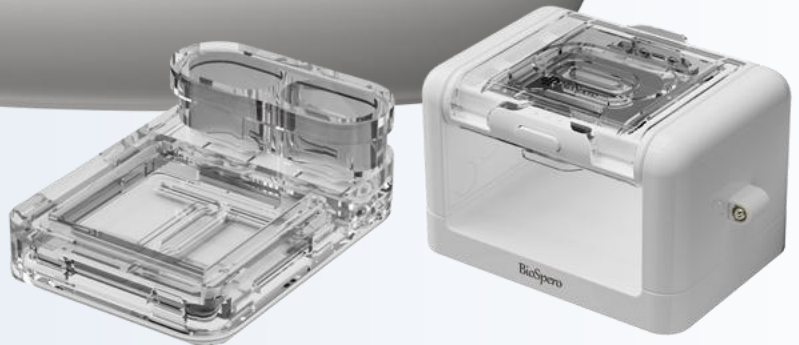


OrganXpert™



Organ on chip Organoid on chip

OrganXpert - M
OrganXpert - O series
OrganXpert - T



Bioworld Beyond the Horizon

[Biospero.com](https://biospero.com)
Biospero Inc.





BioSpero® is focused on developing advanced in vitro microphysiological platforms for efficient preclinical testing, enabling faster and more cost-effective clinical translation.



Vision

Our vision is to revolutionize the future of medicine, cosmetics, and environmental safety by replacing traditional testing methods with advanced organ and organoid-on-chip systems. We aim to establish these technologies as the global standard in drug development, personalized medicine, cosmetic safety, and environmental chemical assessment, ensuring safer and more effective solutions reach the market faster. Through continuous innovation and strategic global partnerships, we strive to lead the transition towards more ethical, accurate, and efficient research practices, ultimately enhancing human health and safety worldwide.



Mission

At BioSpero, we are transforming drug development and beyond by pioneering cutting-edge organ and organoid-on-chip technologies. Our mission is to provide innovative, high-throughput platforms that enable precise evaluation of drug efficacy, toxicity, and safety, with applications across pharmaceuticals, cosmetics, personalized medicine, and chemical safety. We are committed to delivering groundbreaking solutions that accelerate discovery, reduce costs, and enhance global health outcomes. By leveraging our expertise and pursuing aggressive global market expansion, we aim to set new standards in biomedical and chemical research while becoming a dominant player in the global market.

OrganXpert™ M



Features and Differentiators

- . Size : 480mm x 480mm x 280mm
- . Weight : 18kg
- . Platform Chip capacity : 12EA
- . Cartridge type application (Plug-and-play)
- . Flow rate range : 0.18 ~ 18.5 ul/s
- . 2-layer type cell culture

All-in-One Platform

Integrates all necessary components for organ-on-a-chip experiments, simplifying setup and operation.

High-Throughput Platform

Modular structure enables extensive scalability and flexibility in experiments.

Smart Control System

Automates key processes, including culture media exchange and environmental control.

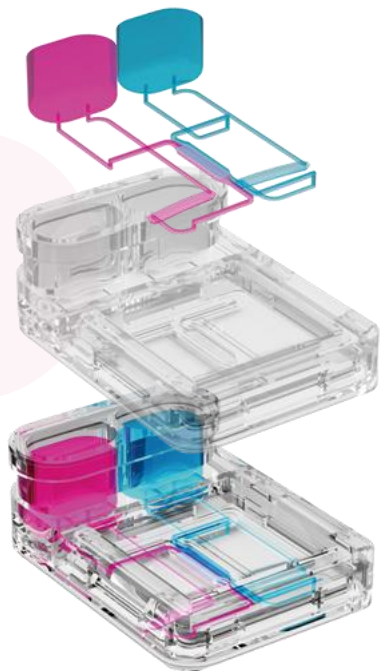
Micro-Physiology mimic

Maintains optimal conditions for cell growth and experiment stability.

OrganXpert™

O series

Organ on chip & Organoid on chip



Biocompatible Chip Material

Ensures compatibility with various biological tissues and reduces the risk of adverse reactions.

Cartridge-Based Design

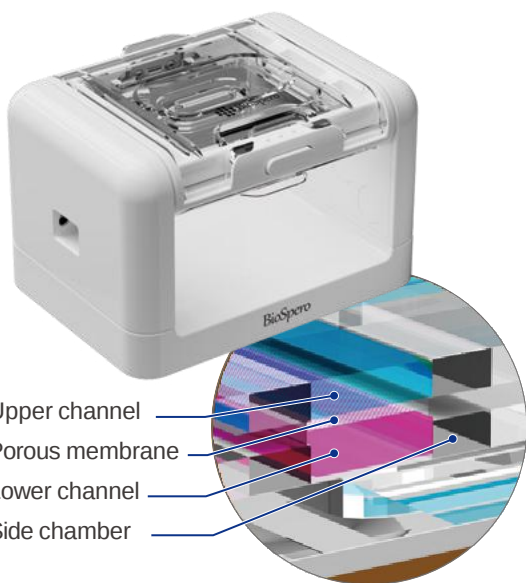
Facilitates easy insertion and removal of chips, enhancing usability and reducing contamination risks.

Extensive cells seeding area

A wide range of cell culture areas has the advantage of improving cell stability, reducing the risk of cell loss, and securing data detection areas.

OrganXpert™

T



Diverse Model Compatibility

Supports a wide range of organ models, including brain, kidney, gut, liver, and cancer.

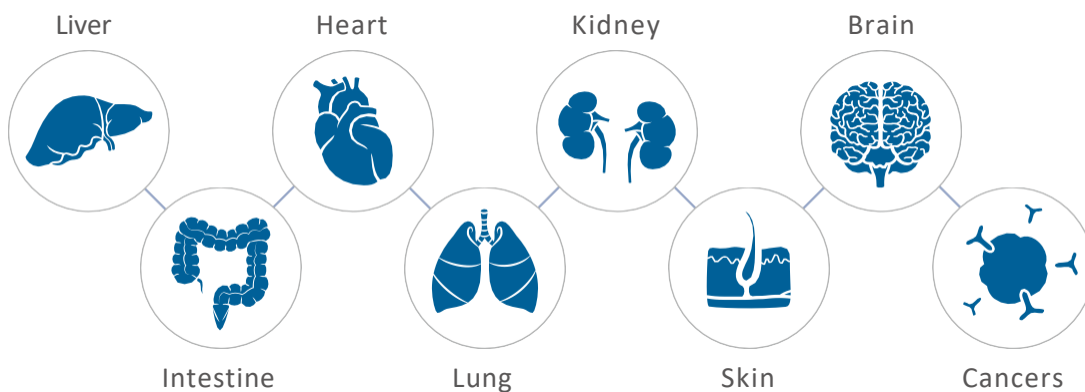
Circulatory Media System

Mimics human circulatory conditions, enhancing the physiological relevance of the models.



Application

Organ



Area





Bioworld Beyond the Horizon

Contact us

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Next-Gen Human Organ Platforms with Organ and Organoid-on-Chip