Creative Biolabs®
Microfluidics

One-stop Organ-on-Chip Solutions

MICROFLUIDICS

LAB-ON-A-CHIP SYSTEMS

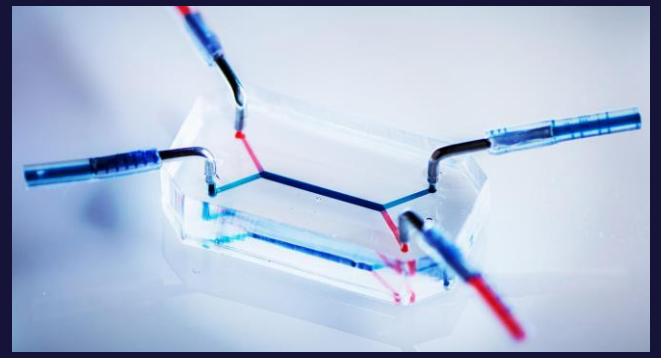
SIMPLER EXPERIMENT PROCESS

PRECISE RESULTS

https://microfluidics.creative-biolabs.com/

About Us

Creative Biolabs is a prominent biologics company with a global presence based in the United States. With more years of experience in the field of microfluidics, we have established our reliable expertise and capabilities.



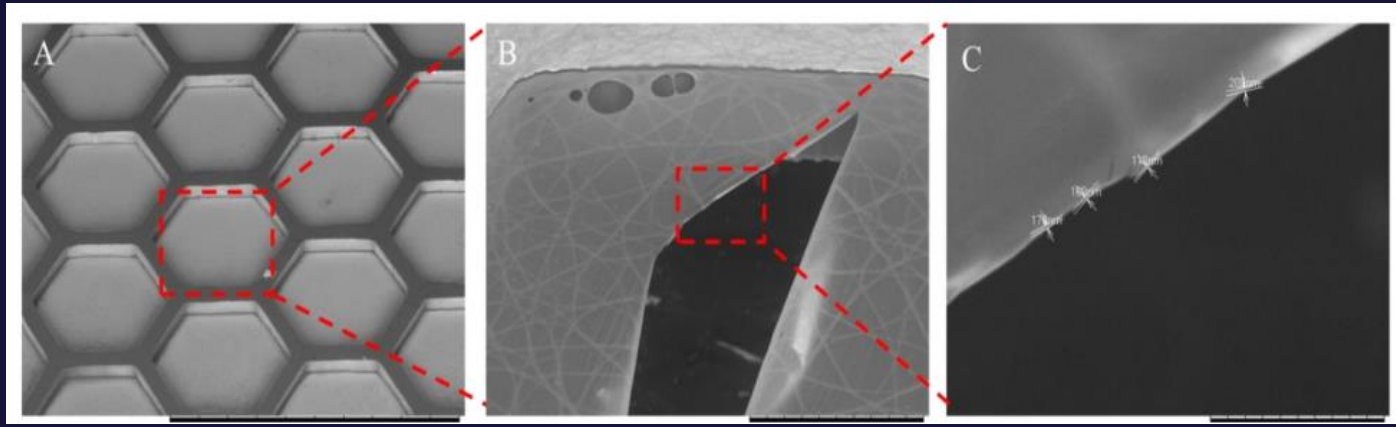
Our team comprises specialists in precision engineering, polymer microtechnology, medical technology, chemistry, and biology who collaborate to design and manufacture organ-on-a-chip (OoC) systems. We provide a comprehensive range of microfluidics research and evaluation services to our clients. We strive to be a one-stop shop for all microfluidics-related needs and to deliver optimal results to our clients.

Our capability

- Microfluidic OoC Systems
- Fluid Control and Accessories
- Overall Research Contracting
- Technical Support and Services

Microfluidic OoC Systems

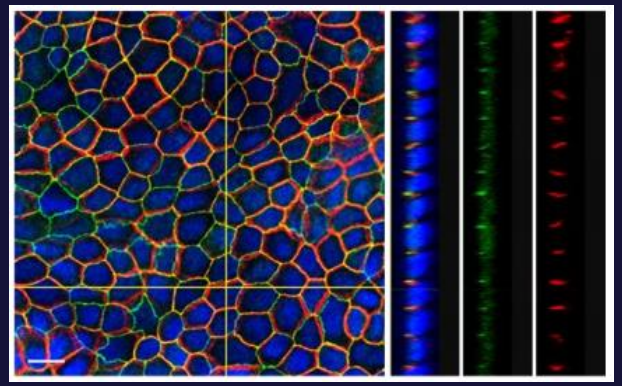
Combining and reproducing *in vitro* key aspects of the geometric, mechanical and physical microenvironment of the tissue of interest, Creative Biolabs OoC technology will be a revolutionary tool for biology research and provide a cost-effective alternative with high physiological relevance.



integrated OoC System with *Artificial Basement Membrane*

Using an artificial basement membrane to achieve bilayer channel separation, the integrated OOC model is an easy-to-use, easy-to-assemble research tool.

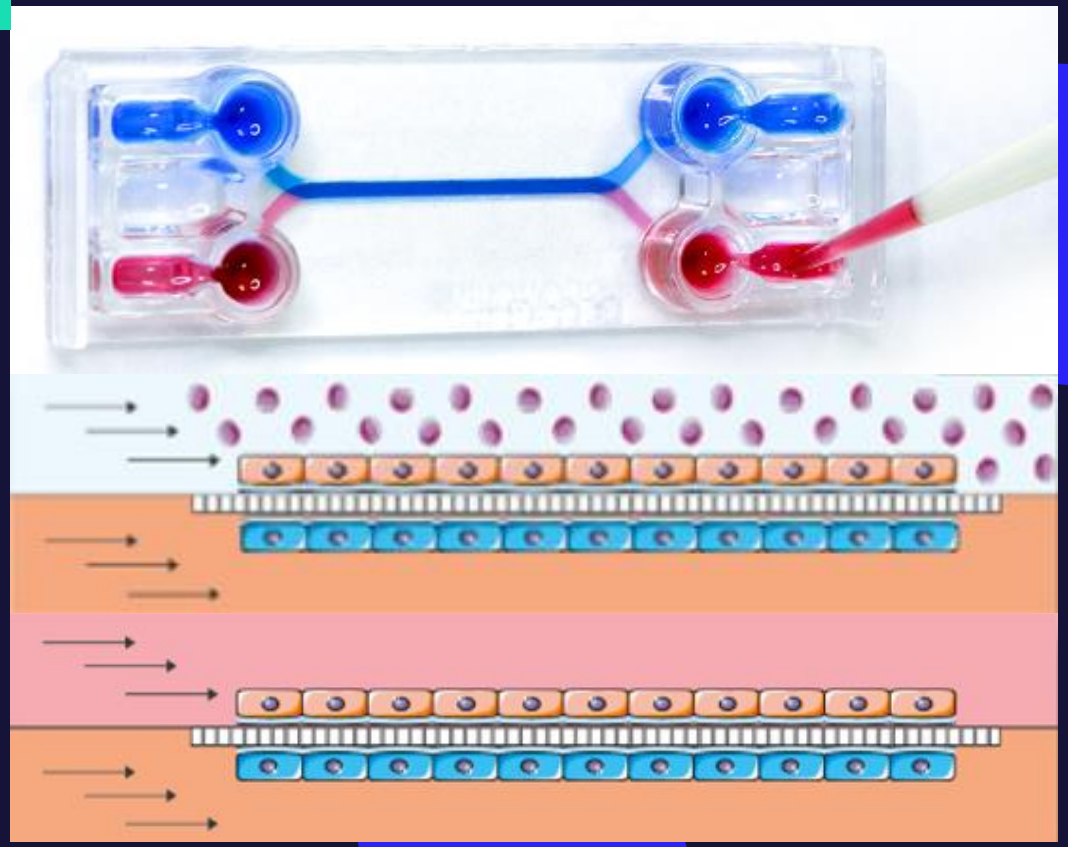
The artificial basement membrane is suitable for epithelium cultivation and co-cultivation of cell layer, endothelial cell layer and corresponding cell tissues, especially the construction of barrier structures, such as blood-brain barrier, blood gas barrier, and kidney spherical basement membrane.



BE-Flow OoC System

BE-Flow Standard/Custom is an advanced device consisting of two perfusion channels connected by a porous membrane and is your best choice for studying circulating particles, cell interactions and OoC system construction.

BE-Flow is suitable for the study of blood-brain barrier, intestine, kidney chip, etc. In addition, BE-Doubleflow is also an excellent choice for constructing air-liquid interface(ALI) for lung-on-a-chip research.



Product Options:

- ✓ CAT#: MFMM1-GJS4_BE-Doubleflow Standard
- ✓ CAT#: MFMM1-GJS7_BE-Doubleflow Custom
- ✓ CAT#: MFMM1-GJS3_BE-Transflow Standard
- ✓ CAT#: MFMM1-GJS6_BE-Transflow Custom

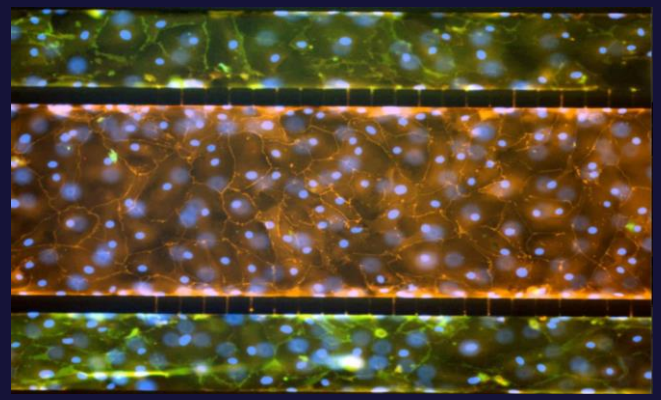
Synvivo-Idealized Co-Culture System

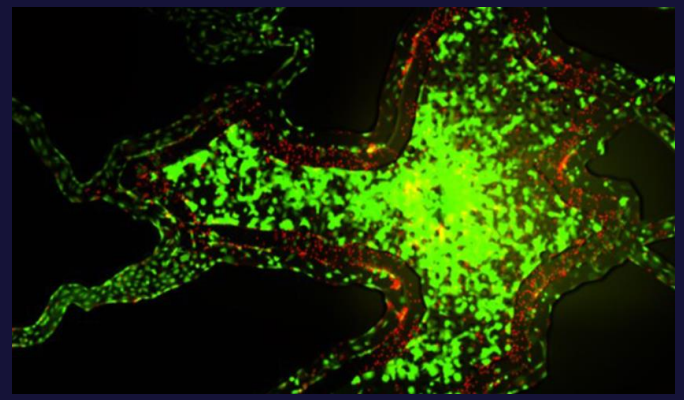
The Synvivo-idealized co-culture chip is one of the best choices for you to carry out OoC-related research. Countless cases have proved the stability and superiority of such models.

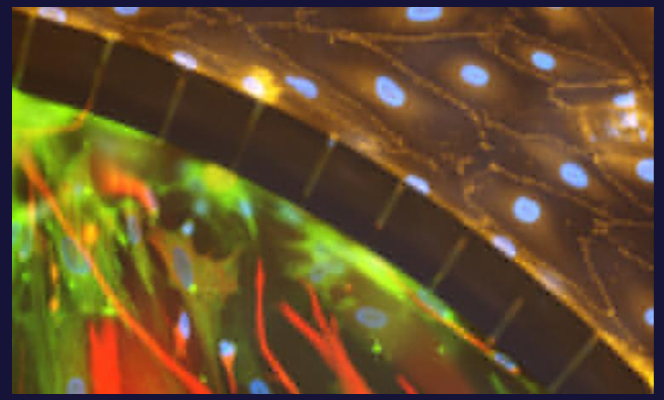
With the separated channels by micropillars or gaps, Synvivo-idealized co-culture chip is suitable for the in vitro simulation of various human organs or the reconstruction of biological tissue barrier functions, including skin, liver, intestinal tract, kidney, blood-brain barrier, ALI, etc.

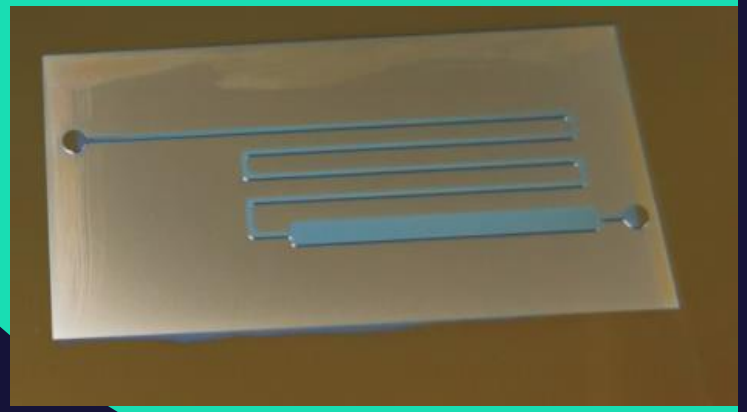
Product Options:

- ✓ CAT#: MFCH-009_IMN2-Radial
- ✓ CAT#: MFCH-011_IMN2-Linear
- ✓ CAT#: MFCH-010_IMN2-TEER
- ✓ CAT#: MFCH-012_SMN2-Microvascular









Customized OoC System

With our cutting-edge technology and state-of-the-art equipment, Creative Biolabs is dedicated to delivering high-quality and reliable customized products that meet your requirements. We understand that every project is unique, and we are committed to working closely with you to ensure that your custom organ chips meet your exact specifications and make them ideal for drug testing and disease modeling.

Choose Your Models

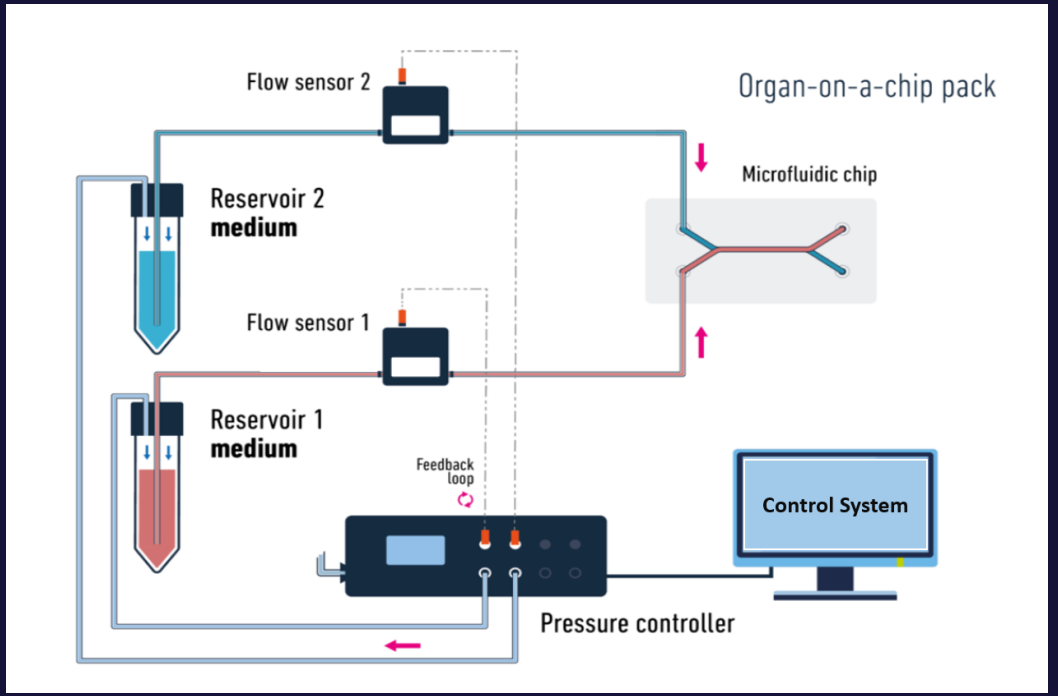
Category	Complexity	Ease of Use	Reliability	Costs
Integrated OoC System	★ ★ ★	★ ★	★	★
BE-Flow OoC System	★ ★	★ ★ ★	★ ★	★ ★
Synvivo-Idealized Co-Culture System	★ ★ ★	★	★ ★ ★	★ ★ ★
Customized OoC System		**Get your own design !**		

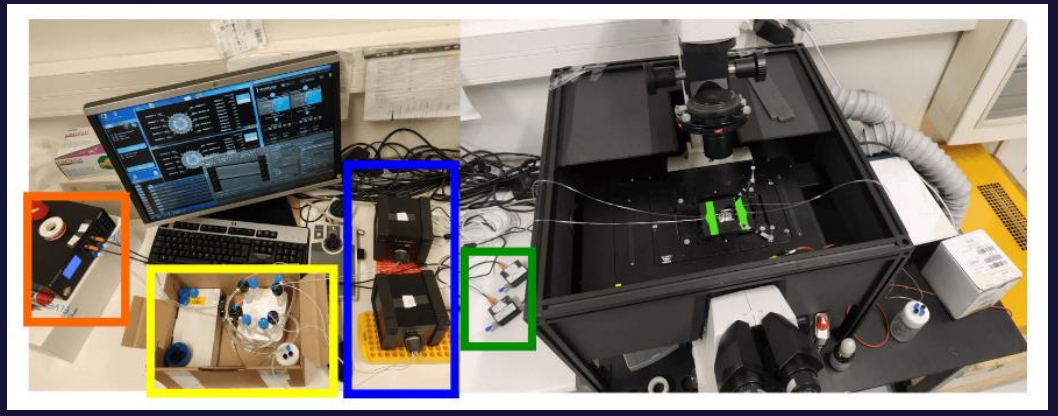
Fluid Control and Accessories

Our team of experts is willing and able to provide technical support and assistance for your microfluidic research platform construction.

The following equipment will be indispensable for any microfluidic research.

- ✓ Pressure pump, peristaltic pump, or injection pump to drive the liquid flow.
- ✓ Microfluidic chip: Our OoC model will be an irreplaceable choice for your experiments.
- ✓ Accessories: suitable adapters and tubes will be provided with our chips.
- ✓ Downstream detection equipment: devices equipped in the biological laboratory should be enough to meet the needs.





Overall Research Contracting

Our service is designed to provide a seamless and hassle-free experience for researchers and scientists who need organ-on-a-chip experiments done for their projects.

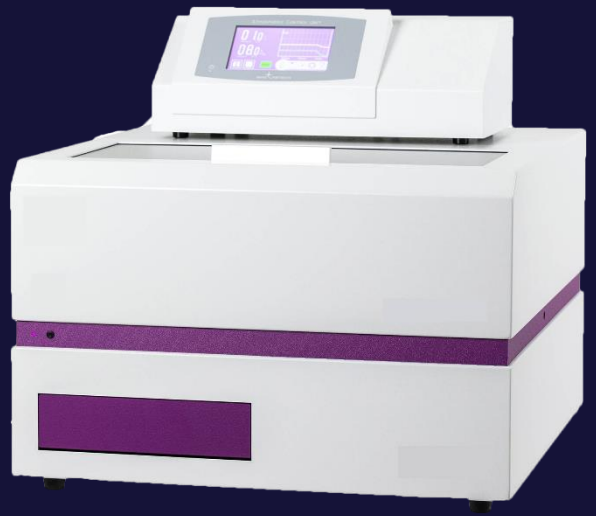
Creative Biolabs is equipped with the latest technologies and equipment to provide you with the best service possible. Our team will work with you closely to ensure that your experiments are done efficiently and effectively. We understand that research projects can be complex, and we want to ensure that our clients have all the support they need to achieve their goals.

- ✓ OoC Model Construction
- ✓ Cell Culture
- ✓ Toxicity Assay
- ✓ Drug Screening
- ✓ Fluorescent Staining
- ✓ TEER Analysis
- ✓ Data Interpretation/Presentation
- ✓ ...

Our service is reliable, cost-effective, and time-efficient. We guarantee high-quality results that will exceed your expectations.

Technical Support

Our team of experts is dedicated to providing technical support to help our clients get the most out of our product and service. We offer guidance and advice on experiment design, protocol development, and troubleshooting.



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