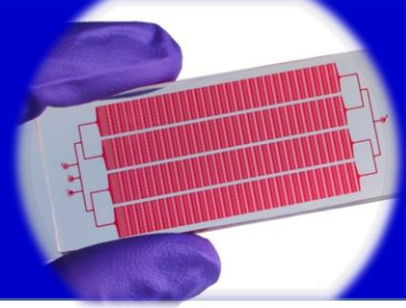


Innovative Biochips provides development and manufacturing of customized microfluidic devices based on your specific need.



Complete Solution for Your Research Application

Consulting

Our experienced engineers will assist you in developing a microfluidic device for your specific application.



Design

We provide microfluidics design services for your research and clinical needs.



Mold Fabrication

We provide a reusable Silicon/SU-8 mold from the customer's pre-designed device layout.



Manufacturing

We manufacture microfluidic devices that are ready to use for your specific application, at the highest quality.

Custom Device Application Examples

- Cell manipulation for trapping and pairing
- Micromixer for microreaction chambers and protein extraction
- Cell isolation and separation
- Cargo delivery and gene manipulation
- Microwells and microchambers available for microenvironment in long-term cultures

Customization Area

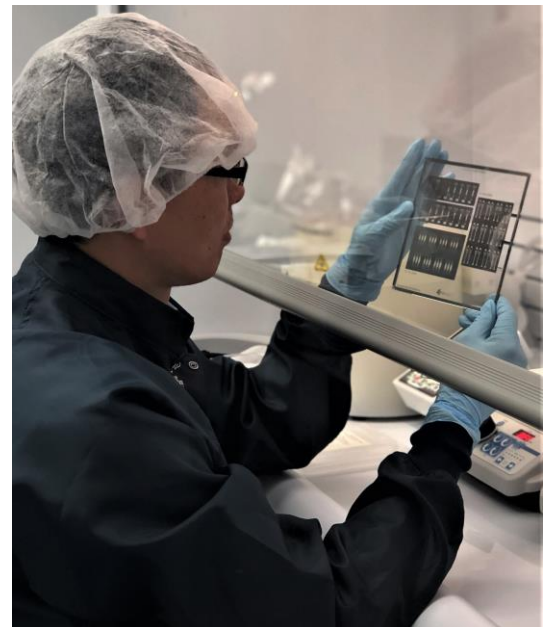
- ❑ Feasibility to check on customer's design
- ❑ Optimize work flow of the device
- ❑ Selection of device materials
- ❑ Comprehensive design of device
- ❑ Salinization for PDMS demolding
- ❑ Master mold structure verification
- ❑ Bonding to substrate
- ❑ Auxiliary port and fluid injection parts

Our Technology

- ❑ **Selection of Materials**
 - PDMS, Glass, Thermoplastics
- ❑ **Microfluidics Layout**
 - Experienced microfluidic designer optimizes device work flow
- ❑ **Photolithography**
 - Up to 5 μm structure resolution
 - 1:3 aspect ratio PDMS
- ❑ **Laser Etching**
 - Up to 50 μm structure resolution



Cleanroom
ISO 6 (Class 1,000)



Device Fabrication



Laser Material Processor