CBLMF™ Droplet Generation All-in-one System
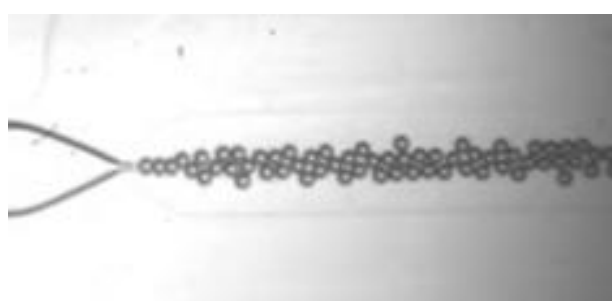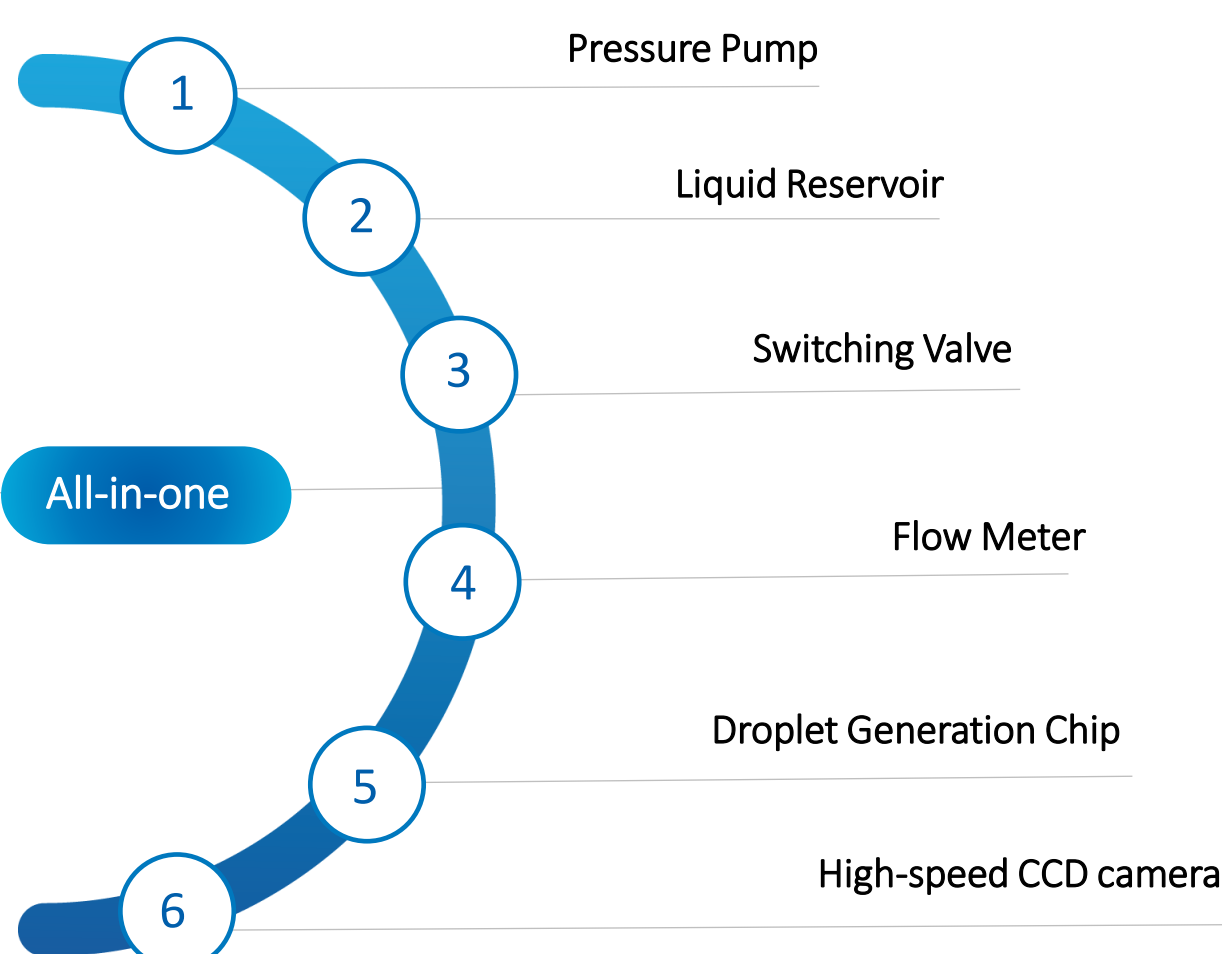
Creative Biolabs is committed to providing you with a one-stop droplet microfluidics solution to improve your experimental efficiency. If you are confused about building a microfluidic droplet generation experimental system from scratch, our one-stop droplet microfluidics system can meet your various droplet microfluidics experimental needs.

All-in-one

1. Pressure Pump
2. Liquid Reservoir
3. Switching Valve
4. Flow Meter
5. Droplet Generation Chip
6. High-speed CCD camera

- Excellent performance
- Real-time observation and imaging
- Compatible with various chips
- Widely applicable
- Easy to connect

The system micro-droplet preparation machine is specially developed for high-precision droplet preparation and observation. It adopts the All-in-one design concept and integrates a pressure pump, a liquid reservoir, a flow meter, a switching valve, a chip, and a high-speed CCD camera, providing a one-stop solution for various micro-droplet preparation experiments.

One-Stop Solution For Microfluidic Droplet Generation

All-in-one design
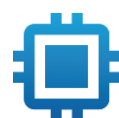Significantly saves space and simplifies connection complexity.

Excellent performance
The droplet generation has excellent repeatability and low monodispersity.

Real-time observation and imaging
Equipped with XYZ-axis displacement stage and CCD to facilitate real-time observation and imaging;

Chip compatibility
Support a variety of droplet preparation chips and droplet generators.

Widely applicable
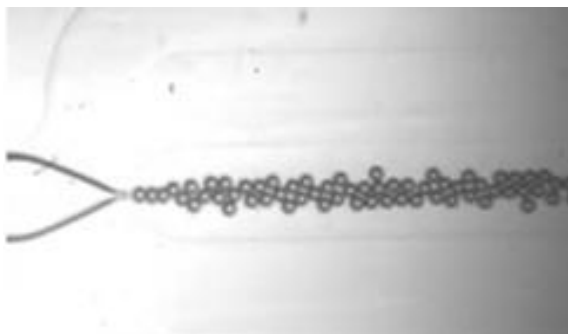Capable to prepare microdroplets, microbubbles, PLGA, LNP, etc.
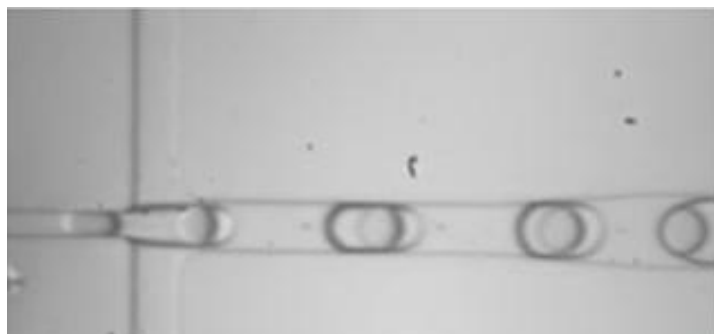
Easy connection
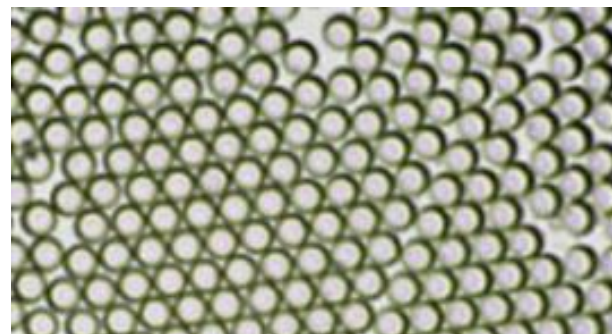The chip connection is simple and stable, which helps improve experimental efficiency.
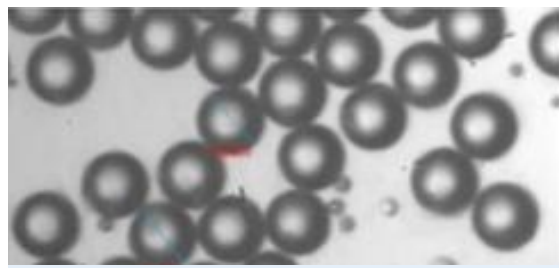
Widely Used For Various Applications
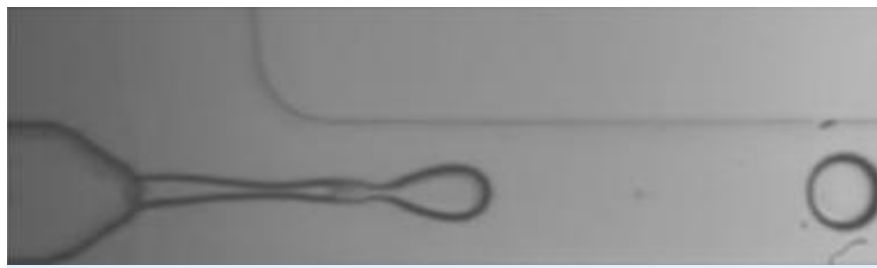
Microdroplet

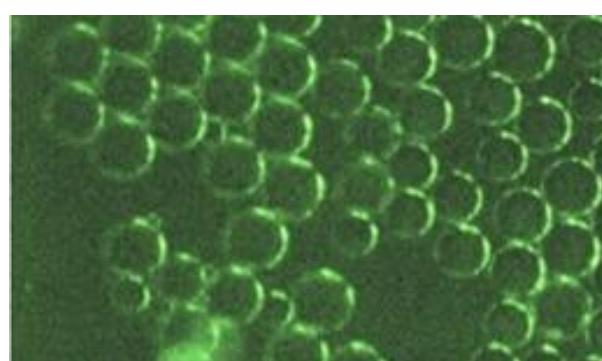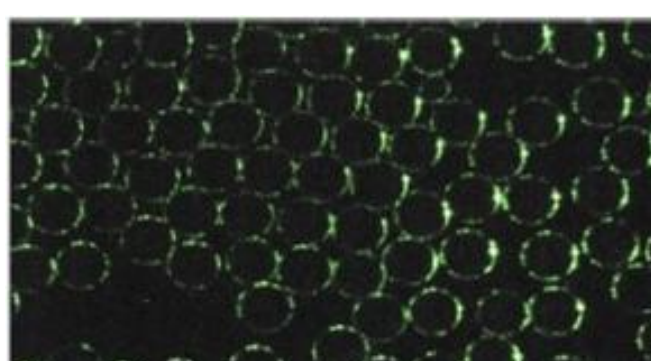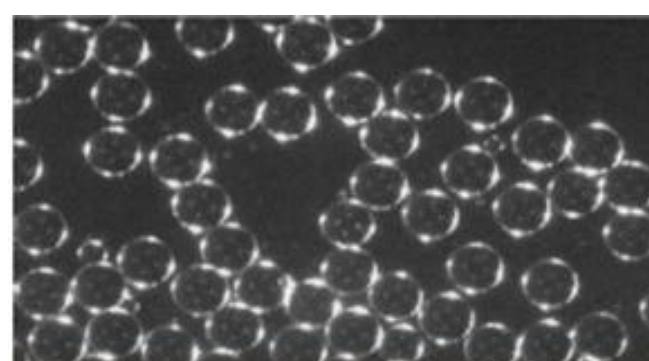Double emulsion droplet

High-uniformity droplet

Hyaluronic acid

Microparticle

Sodium alginate

Liposome preparation

To learn more detail information about our CBLMF™ Droplet Generation All-in-one System, please check our website.

Creative Biolabs
Microfluidics