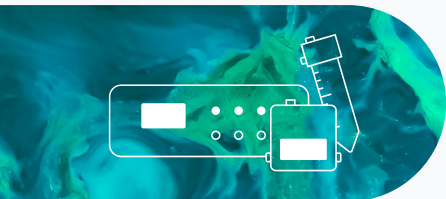


# Elveflow APPLICATION PACKS

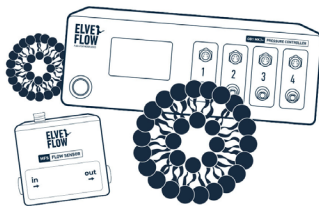


Our Application Packs are **all-in-one solutions** which include everything you need to perform your microfluidic experiments successfully. Our **many configurations available** ensure that you get a microfluidic setup perfectly fitted to your needs.

<https://www.elveflow.com/microfluidic-products/microfluidics-application-packs/>

## LIPID & LIPOSOME NANOPARTICLE SYNTHESIS PACK

All you need to synthesize liposome and lipid nanoparticles at all your development and production stages



The **Lipid & Liposome Nanoparticle Synthesis Pack** includes all the parts needed to easily **synthesize your lipid nanoparticles** with high monodispersity, production rate and reproducibility for the optimal encapsulation of your mRNA or siRNA molecules.

<https://www.elveflow.com/microfluidic-products/microfluidics-application-packs/liposome-and-lipid-nanoparticle-synthesis/>

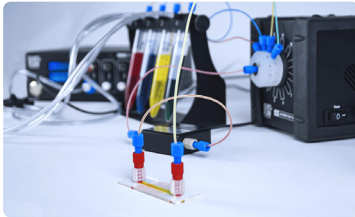
# APPLICATION PACKS

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## SEQUENTIAL FLUID INJECTION PACK

Quickly swap between up to 12 (or more) fluids (gas or liquids) at a controlled flow rate

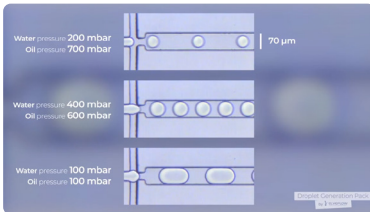


Elveflow's sequential fluid injection pack is dedicated to any system that requires to quickly swap between several solutions while maintaining a precise flow rate. This makes it a perfect fit for biosensors, biochemical sensors or electrochemical sensors test rigs, flow chemistry, Seq-Fish, drug testing applications, and many more...

<https://www.elveflow.com/microfluidic-products/microfluidics-application-packs/sequential-fluid-injection-pack/>

## DROPLET GENERATION PACK

Flow control and chip for droplet generation straight out of the box

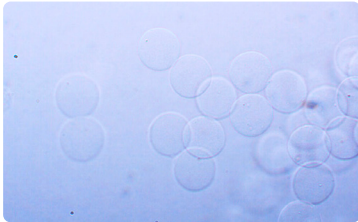


Elveflow's Easy Droplet Generation Pack contains all the required parts for researchers' needs to start making droplets and emulsions out of the box. It brings the many benefits of microfluidics, such as excellent **monodispersity**, **reproducibility** and **scalability** to your daily work in order to achieve great science.

<https://www.elveflow.com/microfluidic-products/microfluidics-application-packs/easy-droplet-generation/>

## ALGINATE BEADS GENERATION PACK

All you need to know to perform monodisperse hydrogel particle production (PDI < 5 %)

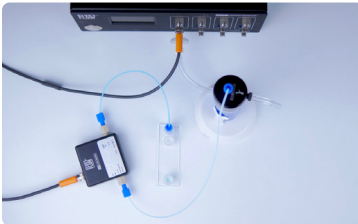


Elveflow's Alginate Beads Generation Pack contains one pumping channel to flow the aqueous alginate phase and another pumping channel to push the continuous oil phase through our droplet generation chip, enabling the generation of **alginate droplets in oil**. The droplet size is determined by the chip channel size and the flow rate ratio of both phases. Flow rates can be measured thanks to our multiple flow rate sensors (MFS or BFS series).

<https://www.elveflow.com/microfluidic-products/microfluidics-application-packs/easy-microfluidic-alginate-beads-generation-pack/>

## MICROFLUIDIC STARTER PACK

All-in-one solution to discover microfluidics



Elveflow's **Starter Pack** contains all necessary elements for you to start your own microfluidic experiments. This **easy-to-use system** covers the majority of microfluidics researchers' needs. It is fully compatible with the whole Elveflow product range, enabling you to upgrade your system as your needs grow.

<https://www.elveflow.com/microfluidic-products/microfluidics-application-packs/starter-pack/>

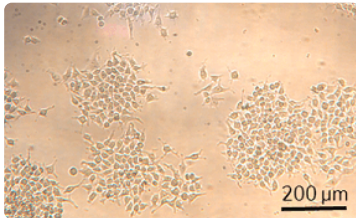
# APPLICATION PACKS

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## CELL & BIOLOGY PACK

Liquid handling for cell-based experimentations

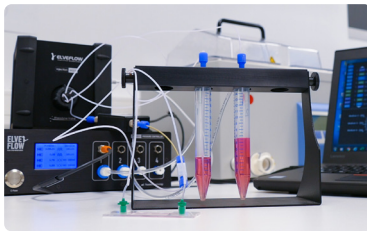


The Cell & Biology Pack includes all the necessary elements to create a **continuous flow** and monitor flow rate applied on the cells. Ideal for experiments requiring switches between different cell culture mediums. A computer-controlled valve allows sequential injections (up to 10 different solutions, more on demand).

<https://www.elveflow.com/microfluidic-products/microfluidics-application-packs/perfusion-for-cells-and-biology/>

## MICROFLUIDIC RECIRCULATION PACK

Full system for continuous unidirectional recirculation experiments



Elveflow's **Recirculation Pack** is a complete system which enables automatic re-use and unidirectional recirculation of liquids in microfluidic experiments. It brings the many benefits of our technology, such as **pulseless smooth flow**, **reproducibility**, **accurate and precise flow rate control**. It enables full automation of week-long experiments with limited media volumes or more advanced applications such as the modeling of complex biological flow patterns.

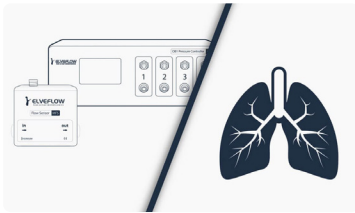
<https://www.elveflow.com/microfluidic-products/microfluidics-application-packs/one-way-recirculation/>

# APPLICATION PACKS

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## ORGAN-ON-A-CHIP PACK

Flow control and chip solution for organ-on-chip experiments



A full microfluidic system for Organ-On-Chip experiments. This fully integrated solution contains all the required microfluidic parts for researchers to reproduce numerous characteristics of the in vivo environment of cells and tissues.

<https://www.elveflow.com/microfluidic-products/microfluidics-application-packs/organ-on-a-chip-pack/>

## NEED HELP OR ADVICE?

For any help to determine what microfluidic instruments you need, you can **contact us!** Our experts will help you build the best microfluidic setup for your application, with our **state-of-the-art microfluidic line.**

contact@elveflow.com

Information or Quote: +33(0).184.163.807