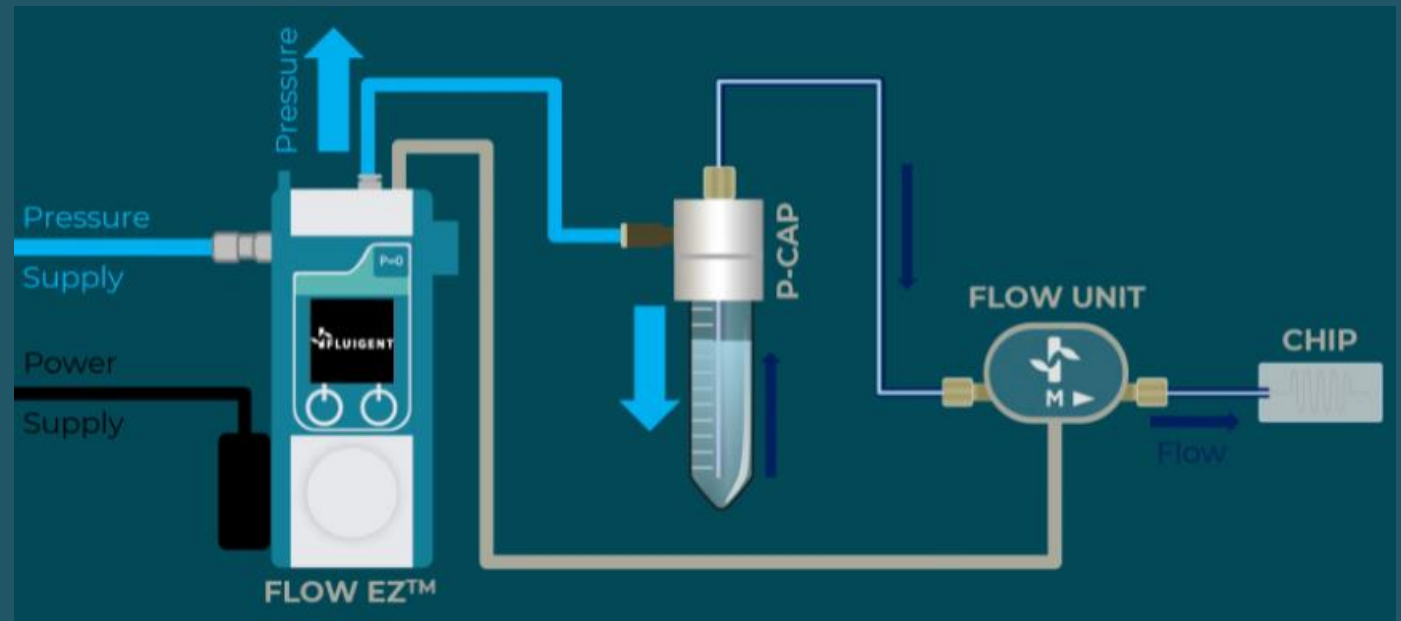


Microfluidics is the science and technology dealing with the manipulation of fluids usually in the range of microliters (10^{-6}) to picoliters (10^{-12}) in networks of micrometer-size channels.

Fluigent devices suitable for :

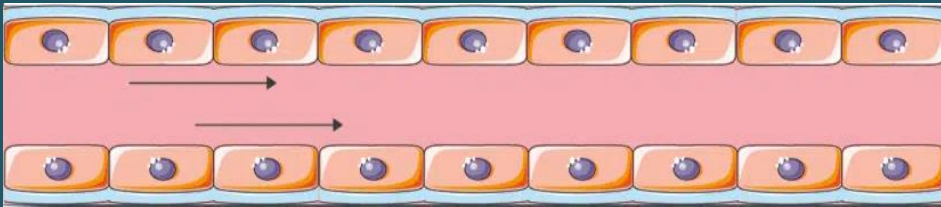
- Cell biology, Organ on chip
- Droplet & particule generation for single and double emulsions (PLGA, hydrogels,...)



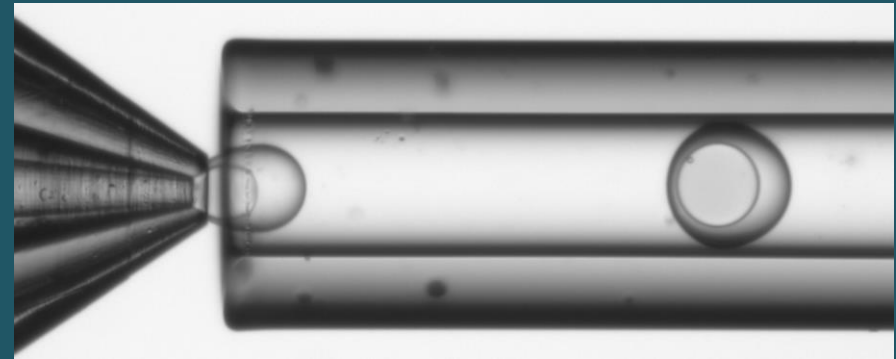
Pressure based controller allows :

Steady pressure → steady flow ! From a few $\mu\text{L}/\text{min}$ to several mL/min

Dynamic behaviour



- Cell survival provided by continuous media renewal
- Automate the injection of other solutions (drugs,...)
- Application of physiological shear stress



- Generation of double emulsions in 1 step only
- Excellent monodispersity

OMI, new product



Versatile & Automated Organ on a Chip platform for *in vitro* testing of **drug efficacy and safety**, **ADME-Tox** assay, **disease modeling**, **personalized medicine...**



Get the benefit of an **easy flow control** without the hassle of a complicated setup



Define and automate your own protocol: perfusion, recirculation, dosing or sampling



Perform **long-term cell culture** under flow to generate ideal **shear stress** conditions



Ultra compact & Portable (Fit for image acquisition under a microscope)



Remote control through WIFI connectivity and iOS/Android app