

You are a company or an entrepreneur believing in open innovation?

Watching for innovations relevant to your business and your ecosystem?

SATT Paris-Saclay has invested **€278k** in the development of a **micromixing fluidic device**. We are looking for a **strategic partnership to industrialize and commercialize it!**

MICRODROPMIXER

#Microfluidic

#Acoustofluidic

#OEM

#Nanoparticle Synthesis

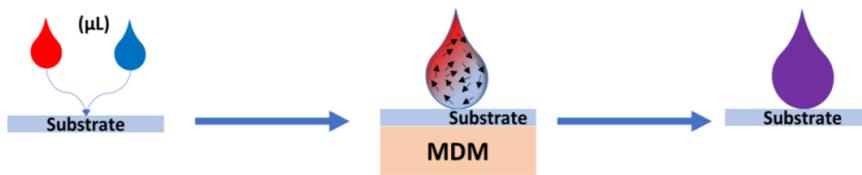


Figure 1: Microdrop mixing core principle



Figure 2: Example of a single-well design

► **Technology:** mixing between liquids (reagents, samples or solvents) must be precise, fast and reproducible and if possible, without contact to avoid contamination. Microfluidic techniques make it possible to save reagents.

MicroDropMixer allows an active mixing between 2 liquids with an acoustofluidic resonator that creates a bulk wave.

► **Use case:** MicroDropMixer can be used within a range of sectors, such as:

- Biotech: Point-of-Care diagnostic, antibiograms, molecular biology...
- Agricultural or Cosmetology: quality control, nanoparticles mixing
- Cleantech: Water/Air pollutant control

[Discover the project](#)

► **Advantages:**

- Mixing speed can be controlled and adapted to different viscosities with a software up to 300mPa/s
- Volume can vary between μL to mL with combination of resonator
- OEM integration: Form factor can be adapted to easily fit into existing machines
- The mixing can be done through a glass or plastic membrane or with an enclosure

Working with SATT Paris-Saclay

In order to bring this technology closer to the market, we are looking to collect your opinion on the project and your interest in MicroDropMixer for a **possible co-development** or **technology licensing partnership**.

SATT Paris-Saclay business model is based on a virtuous mechanism of sharing the revenues generated by the exploitation of research results protected by 1 patent. The company will benefit from a licence in return for the payment of reduced royalties (% of turnover).



université
PARIS-SACLAY



Université
Paris Cité



Ecole Nationale Supérieure de
Mécanique et des Microtechniques



Technology patented since 2020
French patent delivered in 2022



Functional prototype single-well micromixing
device



Budget available for PoC devices tailored to
your specific needs (form, multi-well, tests on
fluids ...)