What is TAMARA?

The TAMARA Nanoparticle Formulation System is a plug-and-play microfluidic platform covering all R&D stages, ensuring controlled nanoparticle synthesis with optimal sample usage & reusable

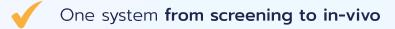
It is the perfect companion for any nanoparticle specialist - from beginners to experts - looking for a comprehensive, user friendly, and efficient nanoparticle system for the development of novel nanomedicines.

inside Controller module





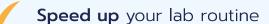




TAMARA



chips.





Key features:

Easy pipetting





No dead volume For maximized reagent use



Encapsulation efficiency EE% > 98% & PDI < 0.2 for RNA-LNP





Optimal size control (50 to 200 nm) and repeatability (±3%)



They trust us:

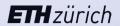
















Microfluidic Technology:

TAMARA uses the **state-of-the-art microfluidic technology** for the synthesis of nanoparticles by nanoprecipitation.

Using our technology, reach PDI < 0.2, encapsulation efficiency > 98%, size control and repeatability of ±3%. Our proprietary microfluidic chips are embedding 2 designs head to toe for more flexibility one herringbone mixer and one baffle mixer.



Baffle mixer

Alternative mixer for achieving a broader size range

Two designs available on the same **reusable** chip

Flexible nanoparticles:

With TAMARA, synthesize all polymer and lipid based nanoparticles, including:

LNP

Specially engineered for delivery any types of RNA (mRNA,

ASO...)

siRNA, miRNA,

Synthesis module



LiposomeLipid bilayers designed

for delivering a wide range of agents in pharmaceutical and cosmetic applications



Versatile and highly biocompatible carrier for small molecules



any other polymeric or lipid-based nanoparticles, (nanoemulsion, peptidic nanoparticles,...)

Intuitive operation:

