

High-Throughput LNP Formulation Screening on Lynx VVP

Generate screening-stage LNPs directly on Lynx VVP with the LNP Screening Array, combining microfluidic formulation with automated liquid handling.

Move From Liquid Handling to Particle Generation

Keep formulation screening in the automated workflow, reducing handoffs while preserving the throughput and reproducibility needed for early development.



100+ formulations per hour

Run broader screens without slowing development.



10x faster than LNP instruments

Generate formulated LNPs in seconds.





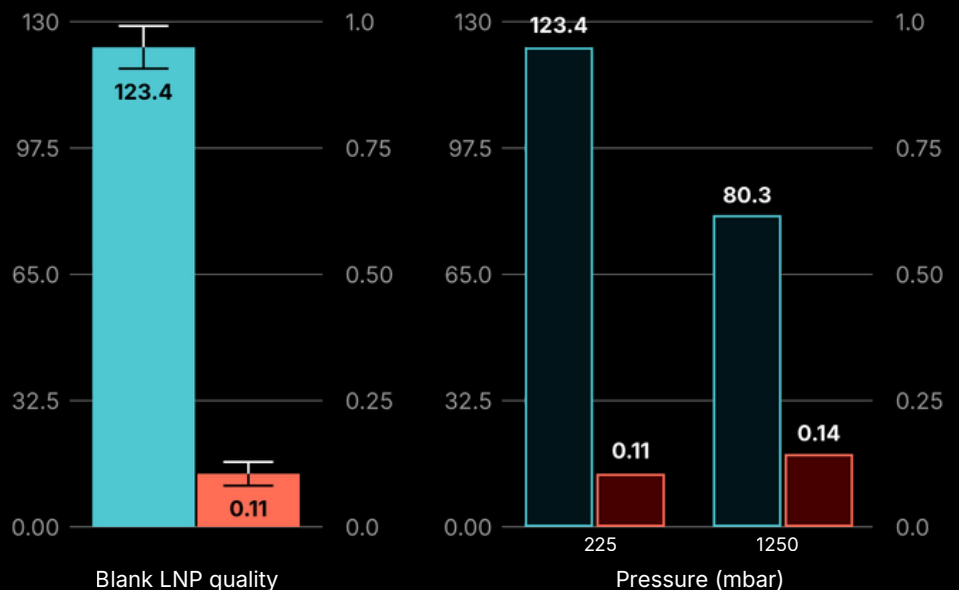
Minimal sample volume

Preserve valuable lipid and RNA inputs for more screening.

Particle Quality That Holds Up in Screening

Testing produced screening-stage particle size and tight PDI. Higher pressure shifted Z-average diameter from 123.4 nm to 80.3 nm while maintaining low PDI, giving teams a practical lever to tune particle size.

 Z-average diameter (nm)
 Polydispersity Index (PDI)



LNP Screening Array specifications

Format	SLAS microplate	Output volume per mixer	Up to 1 mL
Micromixers per array	8	Fluidic resistance ratios	3:1, 5:1, 7:1
Dead volume per mixer	<50 µL	Turnaround	Ships in 1 week

Start screening on Lynx VVP

Get the Starter Kit and begin high-throughput screening.

[Get Your Starter Kit](#)