

Higher-Throughput LNP Screening on the FLO i8® PD

Bring microfluidic LNP formulation to the FLO i8 PD with the LNP Screening Array. Evaluate more conditions in a streamlined, on-deck workflow designed for formulation screening.



Extend Liquid Handling to LNP Formulation

The LNP Screening Array adds microfluidic LNP formulation to the FLO i8 PD, bringing reagent handling, particle generation, and sample collection together in one automated workflow.



100+ formulations per hour

Evaluate more conditions within each screening campaign.



10× faster than LNP instruments

Generate LNPs in seconds and shorten screening cycles.



<25 µL dead volume

Use valuable lipid and RNA inputs across more conditions.

Performance on the FLO i8 PD

Under the tested blank LNP conditions using a 3:1 flow rate ratio and 1.75 mL/min total flow rate, the workflow produced sub-60 nm particles with low polydispersity and consistent particle size across the tested samples.

57.9 nm

Z-average diameter

0.12

PDI

3.2%

Z-average %CV

LNP Screening Array Specifications

Format	SLAS microplate	Output volume per mixer	Up to 1 mL
Micromixers per array	8	Fluidic resistance ratio	3:1
Dead volume per mixer	<25 µL	Lead time	1 week

Start screening on the FLO i8 PD

Apply the workflow to your formulation conditions and generate initial particle data on the FLO i8 PD.

[Request an Evaluation](#)