

Lipid Screening Box for LNP

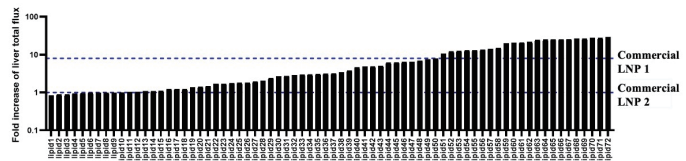
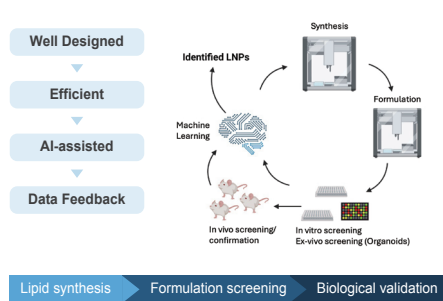
Find the lipids you need with ease

PRODUCT FEATURES

- Low Sample Volume Needed:** Starting amount requirement as low as micrograms
- High Throughput Screening:** Efficiently screen large numbers of samples for rapid results
- Easy to Use:** No equipment required, cost-effective and efficient

PRODUCT DESCRIPTION

Leveraging our high-throughput platform, we have developed a wide range of ionizable lipids optimized for efficient delivery. Our LNP Screening Box features a curated selection of these ionizable lipids, specifically designed for LNP screening. Each box contains individually packaged lipid mixtures comprising 16 distinct formulations, enabling users to quickly identify the most suitable LNP formulations for various delivery targets.

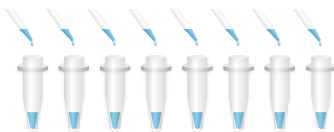


- Over 10,000 lipid structures designed, synthesized, and optimized through our high-throughput platform.
- Selected lipids demonstrate 10 to 50 times higher transfection efficiency than benchmark lipids across various applications, including gene therapy, vaccines, and more.

WORKFLOW

STEP 1

Add 12.5 μ L of anhydrous ethanol to the well



Each well contains a solid mixture of four lipids for LNP formulation.

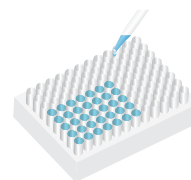
STEP 2

Add 37.5 μ L of mRNA to each well, mix quickly and thoroughly



STEP 3

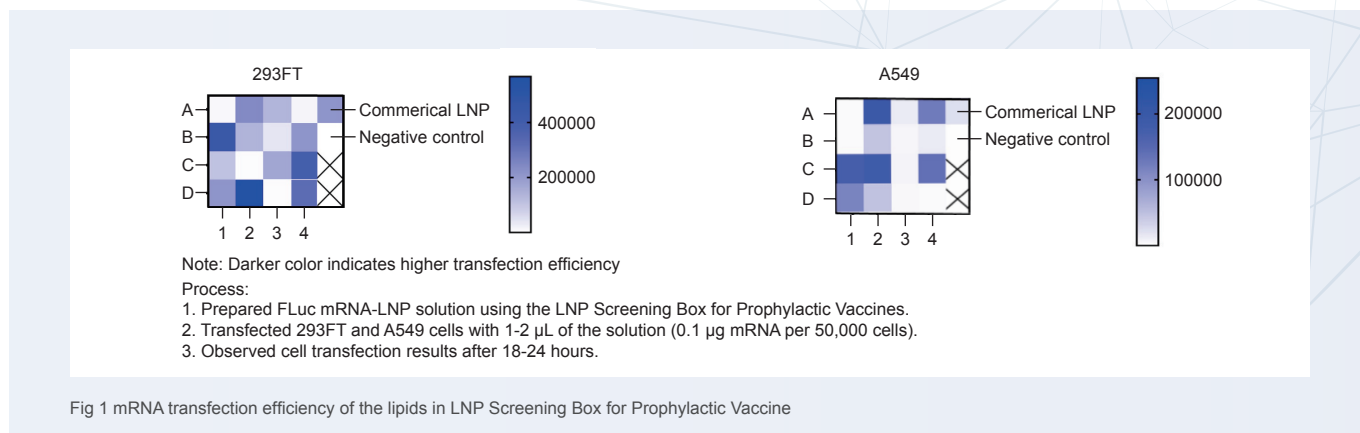
Transfect cells(96-well cell culture plate) with 1 to 2 μ L of LNP solution



CASE PRESENTATION

CASE 1: LNP Screening Box for Prophylactic Vaccine

The results of LNP Screening Box for Prophylactic Vaccine at the cellular level indicate that the product has better delivery efficiency compared to commercial LNP.



CASE 2: LNP Screening Box for Muscle

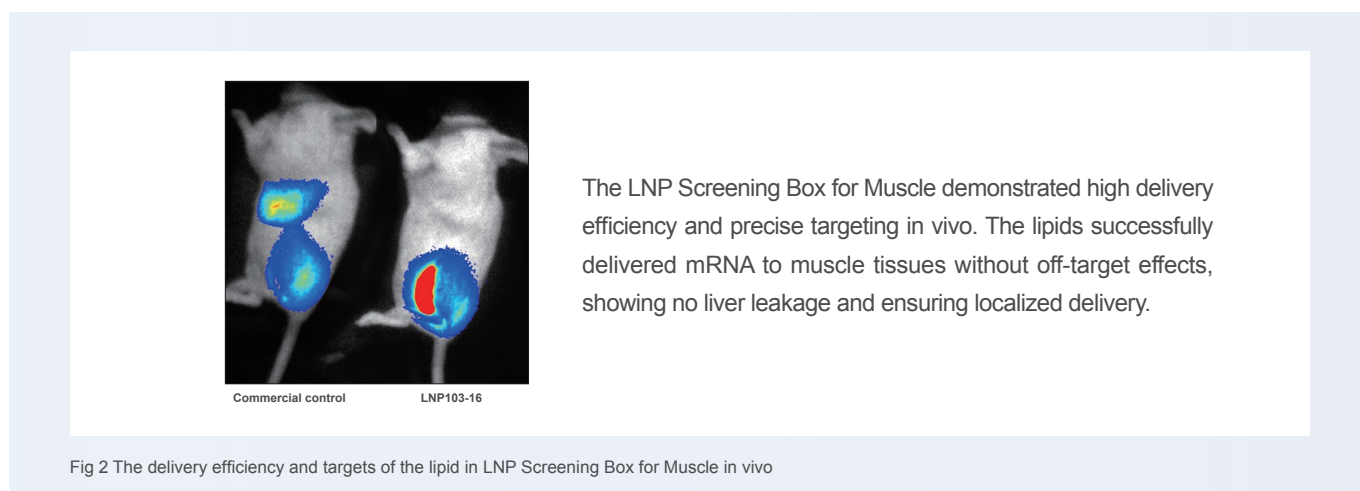


Table 1 List of LNP Screening Box

Product Name	Cat. No.	Description	Application
LNP Screening Box for Prophylactic Vaccine	LNP101-16	2x8 well strip	Prophylactic vaccine and cancer vaccine formulation screening
LNP Screening Box for Skin	LNP102-16	2x8 well strip	Localized injection formulation screening for skin
LNP Screening Box for Muscle	LNP103-16	2x8 well strip	Localized injection formulation screening for skeletal muscle
LNP Screening Box for T-Cell	LNP104-16	2x8 well strip	T-cell targeting formulation screening