

NOF CORPORATION and Phosphorex collaborate to supply Ionizable Lipid Screening and Formulation Optimization using NOF's proprietary ionizable lipids, COATSOME® SS to its clients.

NOF CORPORATION manufactures and supplies highly purified lipids derivatives (COATSOME® Series) suitable for lipid emulsion formulations, liposome formulations and lipid nanoparticle formulations which are extensively used for pharmaceuticals.

Phosphorex is a leading CDMO, specializing in nanoparticle-based drug delivery solutions including formulation design, process development and scale-up for cGMP clinical manufacturing.

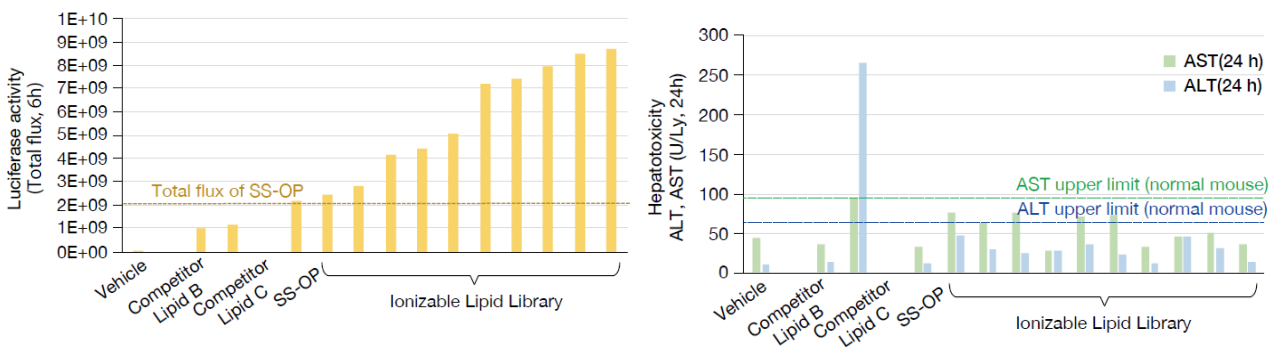
Our Mission: NOF and Phosphorex aim to accelerate the path to the clinic with innovative LNP development tools.

Rapid Lipid Screening (Approx. 1 Month)

Screen the best ionizable lipid for customer's applications

- Formulation design based on NOF's Off the Shelf formulation using high potential Ionizable Lipid Library.
- Provides ready to use LNPs with customer's nucleic acids encapsulated.

NOF's Ionizable Lipid Library



NOF's off-the-shelf formulations is offered for:

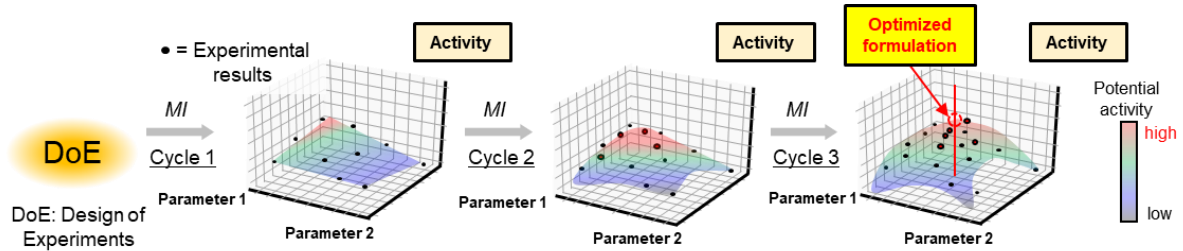
	HEPATIC DELIVERY		IN VITRO/EX VIVO TRANSFECTION		SPLENIC DELIVERY		RNA VACCINE
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Rapid Formulation Optimization (2-3 weeks/Cycle)

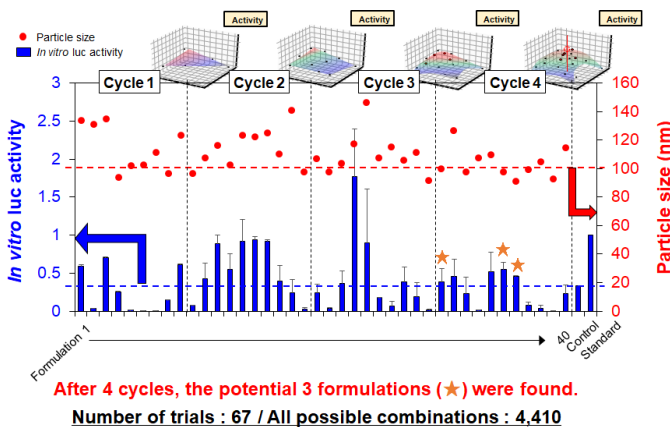
Efficient formulation and process optimization through Design of Experiments & Materials Informatics

- Optimization of particle properties, bioactivity and process parameters according to customer requirements.
- Provides LNPs with maximized potential, scalable, and reproducible.

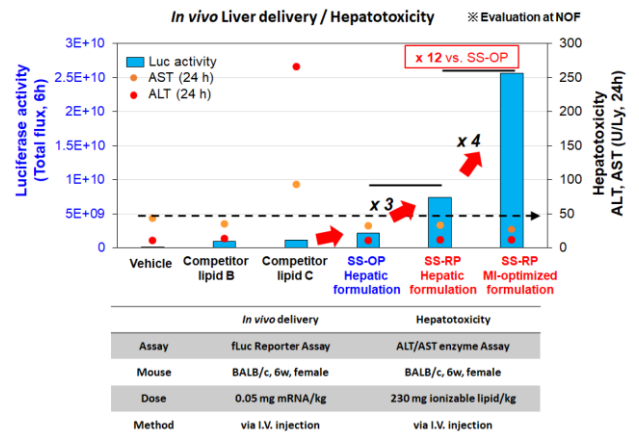
Concept of DoE & MI approach



Example of *in vitro* Optimization



in vivo Assay



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