NanOZ-LNPs Protocol

Description

Ready-to-use stabilized **NanOZ-LNP**
Refer to NanOZ-LNP data sheet for more information.

Protocol

***In vitro* Analyses:**

1. Bring **NanOZ LNP** to room temperature and mix it by gently pipetting up and down
2. Add **NanOZ LNP** to cells in culture according to the table below (**Table 1**)
3. Evaluate transgene expression 24 to 48H after.

	96-well plate	24-well plate
NanOZ-LNP	0.2-2 µL	1-10 µL

Table 1: Recommended volumes for 96- and 24-well plates.

***In vivo* Administration:**

NanOZ LNPs are suitable delivery systems for the (IM) intramuscular, (SC) subcutaneous, (IV) intravenous or (IP) intraperitoneal administration routes.
Refer to table 2 below for the recommended volumes of injection depending on the administration site and the animal model.

Species	IV (ml/kg)	IP (ml/kg)	SC (ml/kg)	IM Total vol (mL)
Mice, rats	5-20	5-20	5-20 (2-3 sites)	0.05-0.1 2 sites/day
Guinea pigs, hamsters	1-5	10-20	5-10 (2-3 sites)	0.1-0.2 2 sites/day
Rabbits	1-10	3-10	2.5-10 (2-3 sites)	0.25-0.5 2 sites/day
Pigs	1-10	1-20	1-3 (2-3) sites	0.25-0.5 (max 5 mL)

Table 2: Recommended dose volumes for common laboratory animals (Adapted from IQ CONSORTIUM, IQ3Rs, 2018, 1, 1-4.).

Use, handling and storage

For Research Use Only. Not for use in humans. Not for use in diagnostic or therapeutic purposes.

Long term storage (6 months): -80°C.

Short term storage (2 months): +4°

We recommend to minimize freeze-thaw cycles to preserve LNPs integrity.

Related Products

Ref	Description
#LNP10500	Empty LNP
#LNP10500mRNA11	NanOZ-LNP/mRNA (GFP).
#LNP10500mRNA12	NanOZ-LNP/mRNA (LUC).
#LNP10500mRNA41	NanOZ-LNP/mRNA (OVA).

Custom LNPs & mRNAs are also available now!

Purchaser Notification | Conditions of Sale

This product is sold in accordance with our general conditions of sale that you can find on our website: https://ozbiosciences.com/content/3-terms-and-conditions.

Rev 04/26 CS