

Supplementary Materials

Comprehensive Evaluation of Lipid Nanoparticles and Polyplex Nanomicelles for Muscle-targeted mRNA Delivery

Xuan Du¹, Erica Yada^{1,2}, Yuki Terai¹, Takuya Takahashi¹, Hideyuki Nakanishi¹, Hiroki Tanaka³, Hidetaka Akita³ and Keiji Itaka^{1,4,*}

¹Department of Biofunction Research, Institute of Biomaterials and Bioengineering, Tokyo Medical and Dental University (TMDU), Tokyo 101-0062, Japan;

²NANO MRNA, Co., Ltd. Tokyo 104-0031, Japan;

³Graduate School of Pharmaceutical Sciences, Tohoku University, Sendai 980-8578, Japan;

⁴Clinical Biotechnology Team, Center for Infectious Disease Education and Research (CiDER), Osaka University, Osaka 565-0871, Japan

Table S1. The particle size, polydispersity (PDI), and zeta-potential of LNP and nanomicelle used in this study.

	Particle size (nm)	PDI	ζ -potential (mV)
LNP	84.87	0.160	-3.47
nanomicelle	52.83*	0.162*	0.071*

* citation [12] in the main text

Figure S1

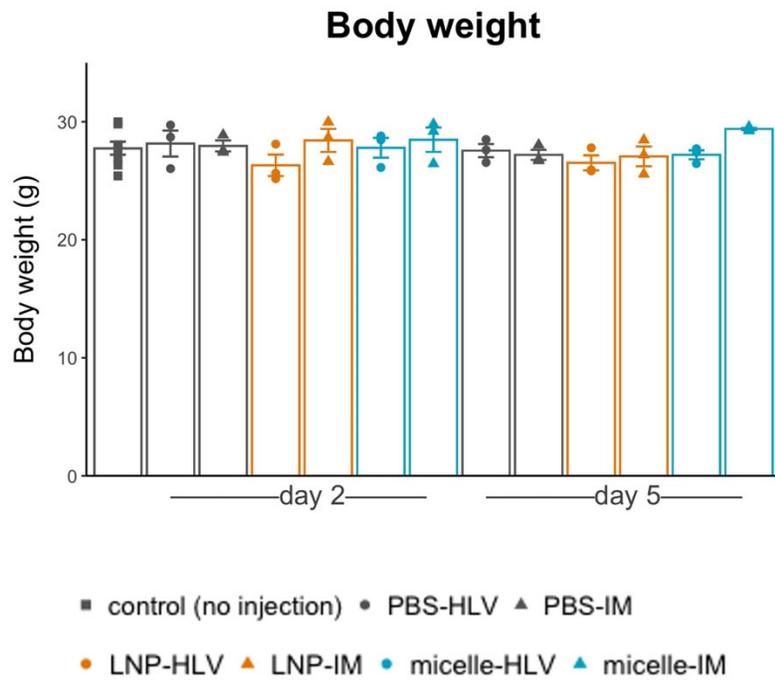


Figure S1. Body weight of the mice 2 and 5 days after administration (n = 3 and n = 6 for the control group). Data are presented as mean \pm SEM.