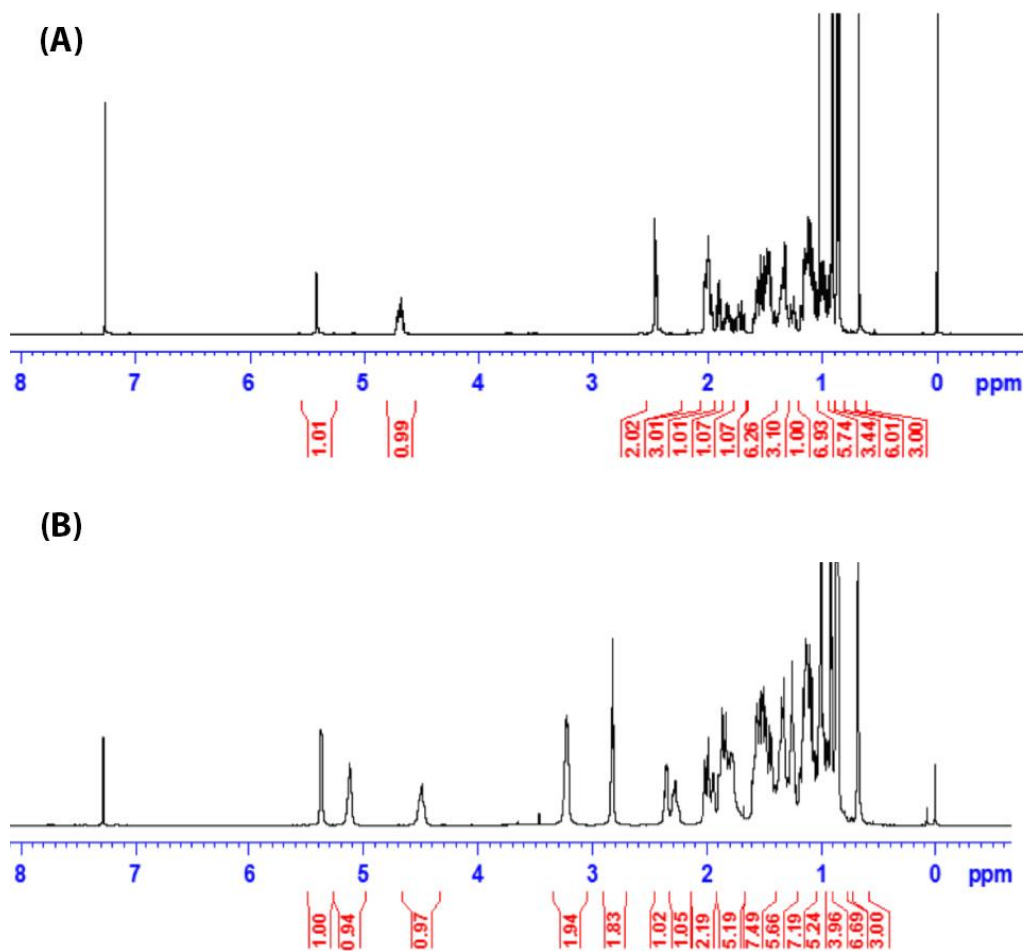
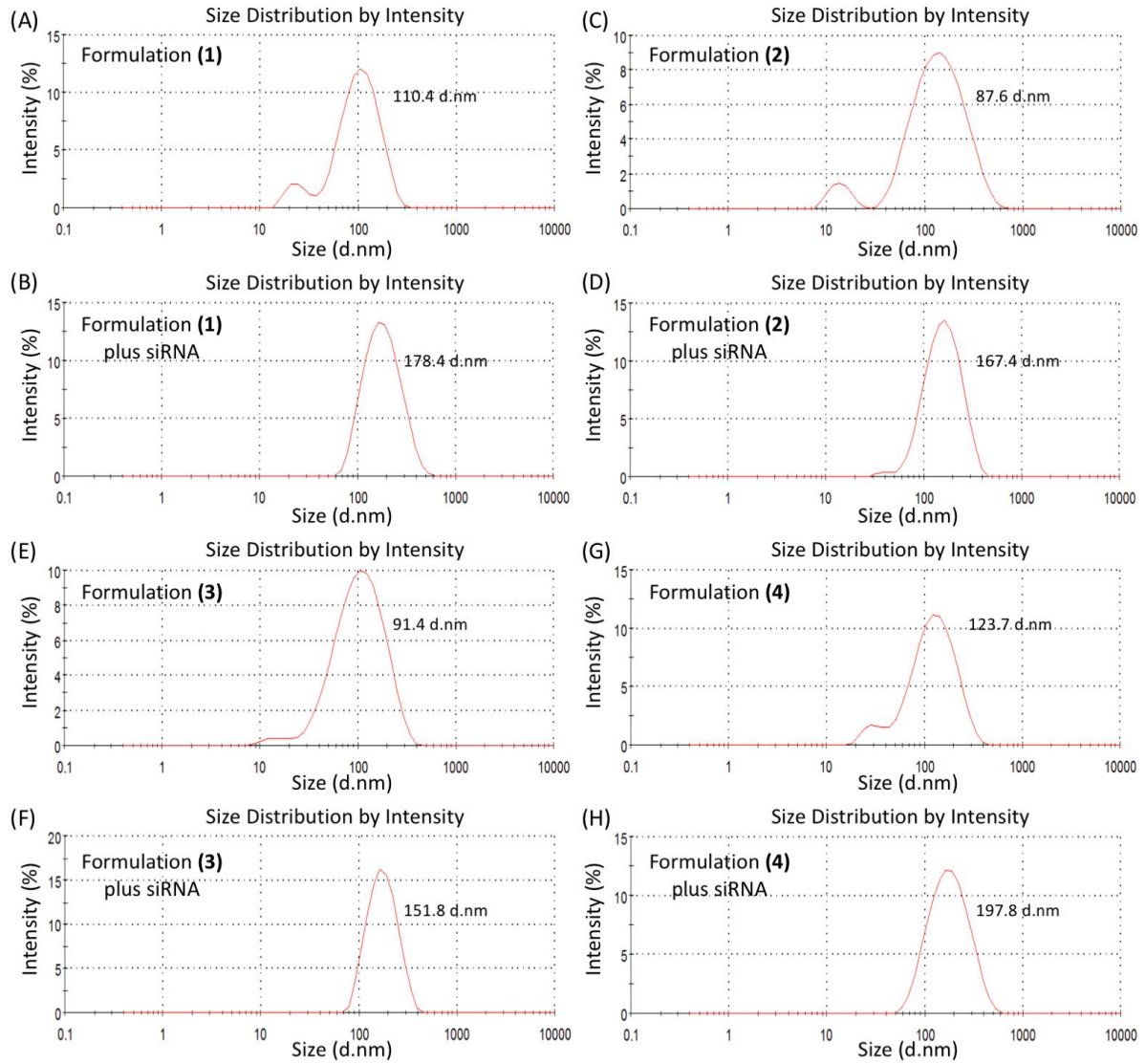


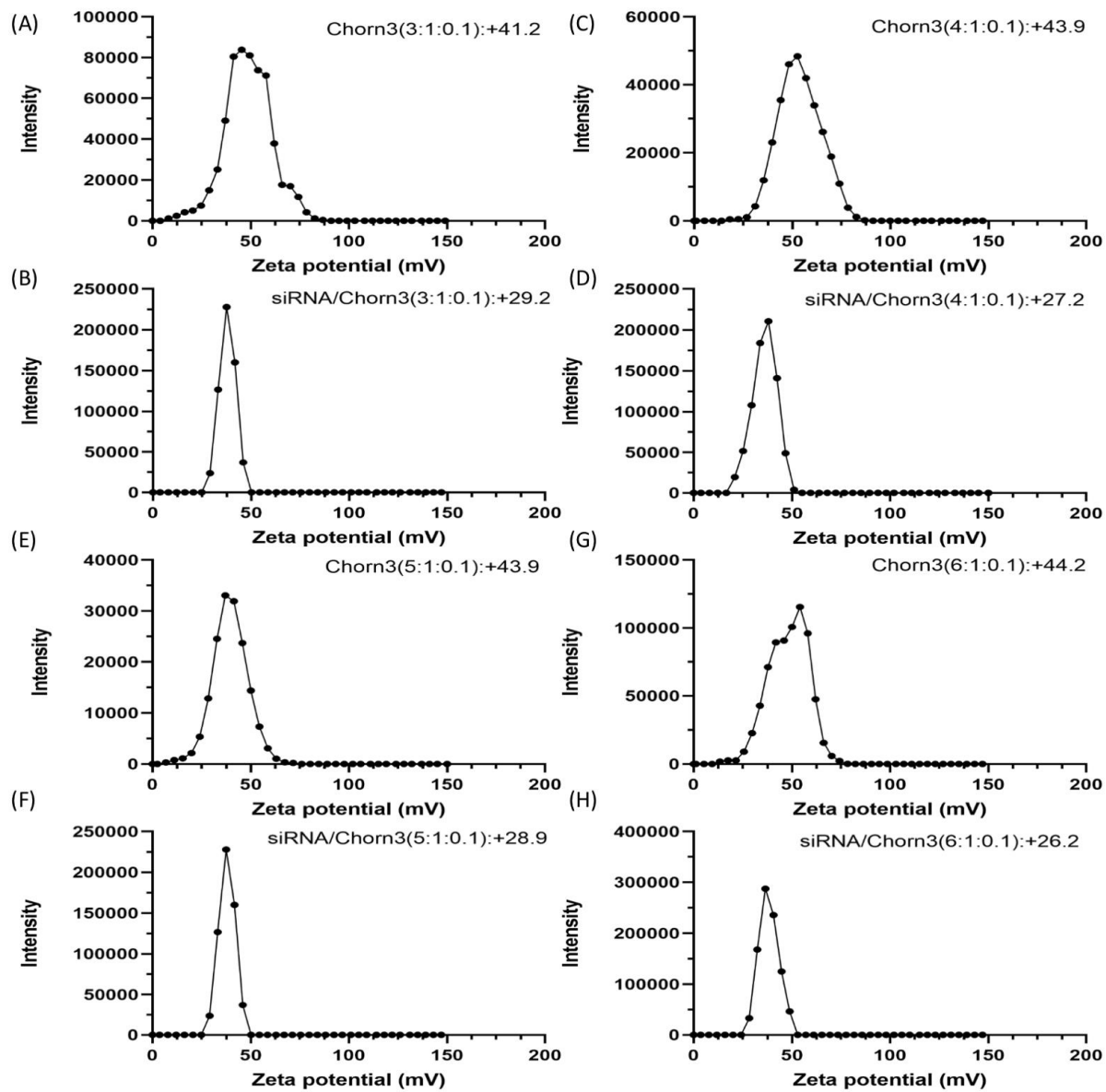
## Supplementary Materials



**Figure S1.**  $^1\text{H}$  NMR spectrum of cholesterol chloroformate (A) and intermediate 1 (B) in  $\text{CDCl}_3$ .



**Figure S2.** Size distribution of Chorn3 LNPs before and after complexing with siRNA.



**Figure S3.** Zeta potential of Chorn3 LNPs before and after complexing with siRNA.