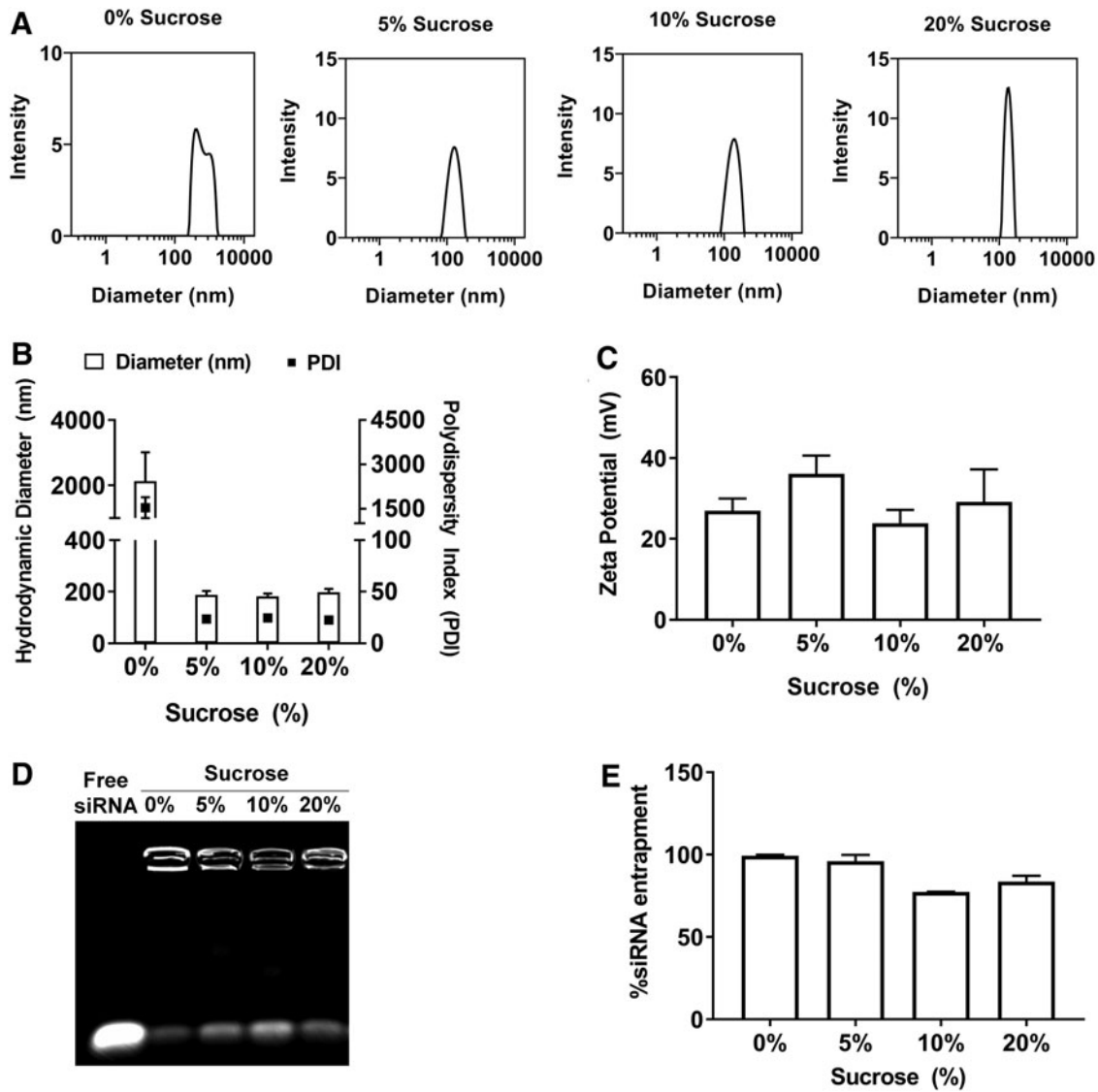


Supplementary Data



SUPPLEMENTARY FIG. S1. RGD-PEG-ECO/si β 3 nanoparticles containing 0%, 5%, 10%, and 20% sucrose were flash-frozen and stored in -80°C for 12 months. (A) Representative intensity peaks of long-term stored RGD-PEG-ECO/si β 3 nanoparticles containing various concentrations of sucrose in nuclease-free water. Comparison of the hydrodynamic diameters, polydispersity indexes (B), and zeta potential (C) of RGD-PEG-ECO/si β 3 nanoparticles stored for 0%, 5%, 10%, and 20% sucrose in nuclease-free water. (D) Agarose gel retardation of RGD-PEG-ECO/si β 3 nanoparticles stored for 12 months compared to free si β 3. (E) RiboGreen assay quantifying siRNA entrapment of RGD-PEG-ECO/si β 3 nanoparticles containing stored for 12 months (error bars denote standard error of the mean, $*P < 0.05$). PEG, polyethylene glycol.