

Supplementary material

Assisting PNA transport through cystic fibrosis human airway epithelia with biodegradable hybrid lipid-polymer nanoparticles

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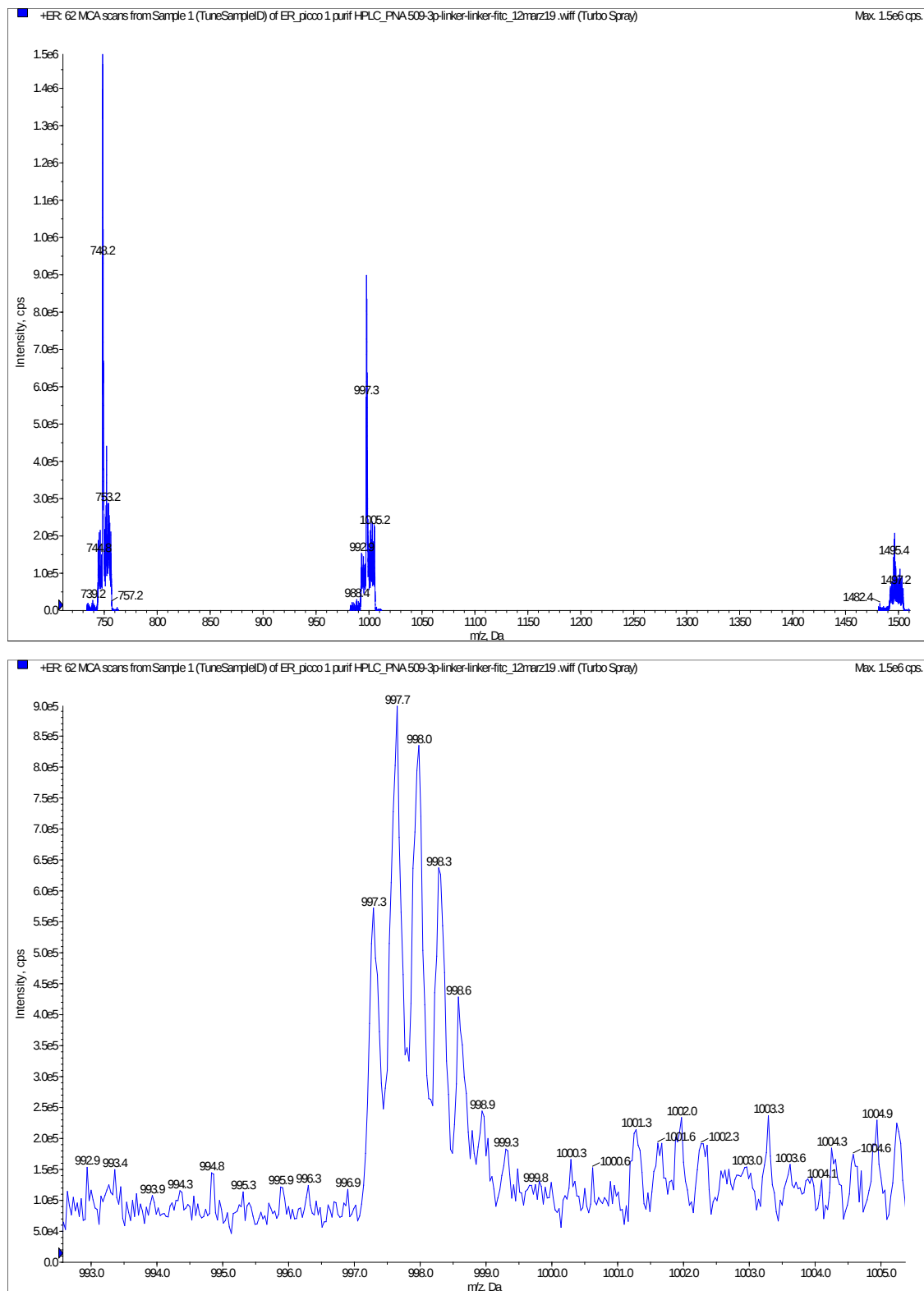


Figure S1: Expansions of the ESI-MS spectrum of PNA* recorded in the positive ion mode. Calcd. for PNA* $[M + 2H]^{2+}$ 1495.49, found 1495.4; calcd. for $[M + 3H]^{3+}$ 997.33, found 997.3; calcd. for $[M + 4H]^{4+}$ 748.24, found 748.2.

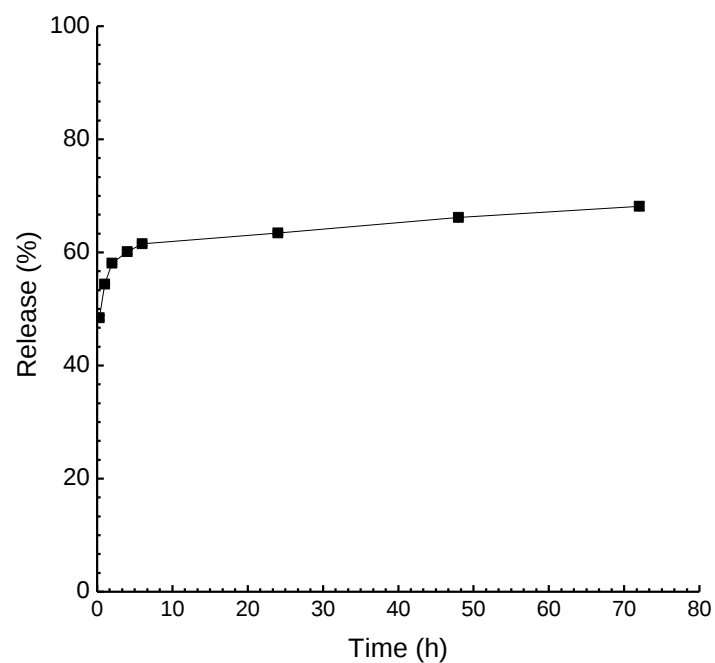


Figure S2: *In vitro* release kinetics of PNA* from PNA*-hNPs in PBS pH 7.2 at 37 °C.

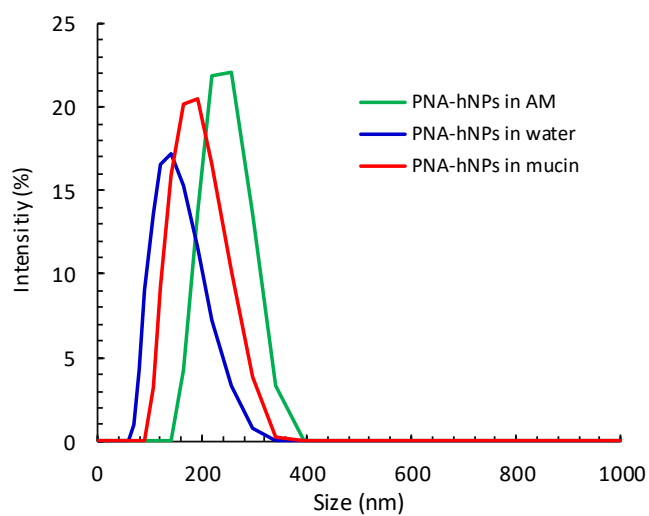


Figure S3: A: Size distribution by intensity of PNA*-hNP dispersions in mucin (water dispersion 0.08% w/v) and AM after 72 h at 37 °C. The size distribution of PNA*-hNPs in water is reported for comparison.