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- $n \geq 3$ internalisation assay

Prep UNO@Aptamer

 $n = 3$ Protocol:

1.5 mg UNO@Talyr (AS467, 300 μ l, 5 mg/ml) was washed in MES buffer 0.1M (pH 5.8). Pellet was resusp in MES. NPs were incubated with EDC (400 mM, 62.1 g/L, 150 μ l) and Sulfo-NHS (100 mM, 21.7 g/L, 150 μ l) at rt. 1.5 nmol NH₂-Apt (45 μ l aq, + 85 μ l PBS + 1 mM HgCl₂) $\rightarrow$ 100 μ l tot was added to the suspension and stirred for 4h at rt. (After heat + cool).

Washes: Tween 20 0.01% (1X)
Hybrid buffer (1X)
PBS + 1 mM HgCl₂ (1X)

DL Structures:PBS: 125.4 ± 1.8 nm (PDI: 0.061)DNA: 321.4 ± 26.0 nm (PDI: 0.11)pH 7: -31.6 ± 1.1 mVpH 3: -17.6 ± 1.9 mV

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