

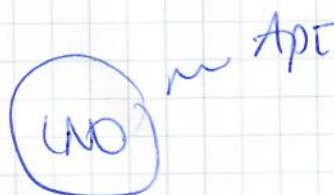
→ for next tests I ordered: DNA

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- LNO@ Apt FOR CELL ASSAYS

first test with: M_{12} -Apt

on: AS406 (new LNO@Talys)



LOW
bind
the
(1.5 M)
epper

even bet
with
screw on
for SIMON

Protocol:

1 mg LNO@Talys (AS406, 5 mg/mL, 200 μ L) were washed with 0.1 M MES buffer (pH 5.8). The pellet was resuspended in MES buffer. The NPs were incubated with excess EDC (400 mL, 62.1 g/L, 100 μ L) and sulfo-NHS (100 mL, 21.7 g/L, 100 μ L) at rt (control → only MES).

100 μ L of 1 μ M anti-EGFR aptamer (1 nmol) was added to both solutions and stirred at rt for 4h (1500 rpm).

Washes:

- Tween 20 0.01% (1x) → incub 10 min each
- Hybrid buffer (1x)
- PBST with $MgCl_2$ (1x)

OLS results:

(A) PBS: 136.6 ± 4.6 mV (PDI: 0.12)

OMA: 200.2 ± 12.3 mV (PDI: 0.15)

pH 7: -31.8 ± 3.6 mV

pH 3: -33.3 ± 7.7 mV

(B) PBS: 138.9 ± 11 mV (PDI: 0.14)

OMA: 186.1 ± 11.4 mV (PDI: 0.1)

pH 7: -34.9 ± 0.7 mV

pH 3: -11 ± 0.4 mV

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