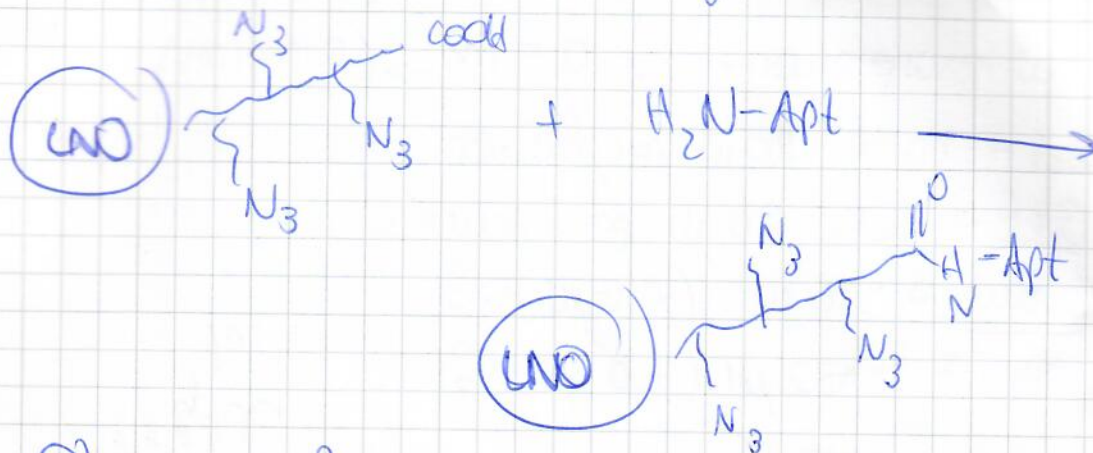


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- Aptamer conjugation of UNO@TalyS

(A) $\rightarrow$ + control(B) $\rightarrow$ - control

Protocol:

1 mg of UNO@TalyS (AS344, 5 mg/ml, 200 μ m) were washed with 0.1 M MES buffer (pH 5.8). The pellet was resuspended in MES buffer.

The APs were incubated with excess sol. of EDC ($\rightarrow$ 62.1 g/L, 400 mM, 400 μ l, in MES) and sulfoNHS ($\rightarrow$ 21.7 g/L, 100 mM, 100 μ l, in MES) at rt. $\rightarrow$ (- control was first incubated with MES, no coupling agents).

100 μ l of 10 μ M anti-ErbAptamer (1 nmol) was added to the APs column and incubated for 4h at rt, on the shaker (1500 rpm).

At the end, control and washes.

- Tween 20 0.01% (1x)

- Hybridization buffer (1x)

- PBS + 1 mM $MgCl_2$ (1x)

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difference here:

centrifuge in the other lab, 10 min 1200 rpm (max)

final resusp.