

Syr Green select RNA

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- $\text{NO} @ \text{Etrn}$ and $\text{NO} @ \text{scrambled}$ for competition assay (test German 19/02)



Protocol:

Launch on 1 mg:

1 mg $\text{NO} @ \text{tallys}$ (AS546, 200 μL , 5 mg/mL) were washed with 0.1 M HES and resusp in HES. The NPs were incubated with excess EDC (62.1 g/L, 100 μL) and sulfo NHS (21.7 g/L, 100 μL) at rt.

100 μL of 10 μM EDA apt or scrambled apt (1 nmol + 10 μL apt + 90 μL PBS + MgCl_2) was added and mixed for 4h at

Washes $\rightarrow$

- Tween 20 0.01% (1x)
- Hybrid. buffer (1x)
- PBS + 1 mM MgCl_2 (1x)

(1 mM MgCl_2): MW = 95.21 g/mol

$10^{-3} \text{ mol} \cdot 1000 \text{ mL} = 1 \text{ L} \cdot 3 \cdot 10^{-5} \text{ mol}$

$\rightarrow 1 \cdot 10^{-3} \text{ mol/L} \cdot$

$\cdot 95.21 \rightarrow 2.85 \text{ mg}$
in 30 mL

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launch on 1 mg (Etrn)
 & 1 mg (scrambled) + prob
 700-750 μL in 70-75 μL
 mol.