

Protocol: MicroRNA Mimic/Inhibitor Transfection with Lipofectamine

- Seed 2.5×10^5 cells per well of a 6-well plate 24 h before transfection.
- Prepare transfection mix A and B. For 1 well:
 - A: 250 μ l OptiMEM + x μ l miRNA mimic/inhibitor
 - B: 250 μ l OptiMEM + 4 μ l Lipofectamine
- Vortex mixtures for 10 sec.
- Incubate at RT for 5 min.
- Mix A and B and vortex for 10 sec.
- Incubate at RT for 20 min.
- Remove culture medium from cells, wash with PBS.
- Add 1 ml medium **without Pen/Strep**.
- Add 500 μ l of the transfection mix (A+B) to the well.
- Incubate for 48 h at 37°C.

25nM (mimic) and 50nM (inhibitor)