

Transfection of endometrial cells with siRNA

Ning Chen

Abstract

Citation: Ning Chen Transfection of endometrial cells with siRNA. **protocols.io**

dx.doi.org/10.17504/protocols.io.iztcf6n

Published: 18 Jul 2017

Protocol

Step 1.

Shortly before transfection, seed 1×10^5 cells per well of a 24-wellplate with 0.5 ml appropriate culture medium containing serum.

Step 2.

For the short time until transfection, incubate the cells under normal growth conditions (typically 37°C and 5% CO₂).

Step 3.

Dilute 37.5 ng siRNA in 100 µl culture medium without serum (this will give a final siRNA concentration of 5 nM after adding complexes to cells in step 5). Add 3 µl HiPerFect Transfection Reagent to the diluted siRNA and mix by vortexing.

Step 4.

Incubate for 5 min at room temperature (20°C) to allow the formation of transfection complexes.

Step 5.

Add the complexes drop-wise onto the cells. Gently swirl the plate to ensure uniform distribution of the transfection complexes.

Step 6.

Incubate the cells with the transfection complexes under their normal growth conditions, and monitor gene silencing after 48h. Change the medium as required.

Step 7.