

# SilenceMag™ Short Protocol

To find your ideal silencing conditions with SilenceMag™, we suggest to test increasing doses of siRNA (or miRNA): from 10 to 50nM per well.

**Seed cells to be at 70% confluent the day of transfection**

1



**Prepare 3 tubes of siRNA (with different amounts of nucleic acids)**

2



**96 well plate**

**24 well plate**

**6 well plate**

10 nM/20nM/50nM  
in 50µL DMEM

10 nM/20nM/50nM  
In 100µL DMEM

10 nM/20nM/50nM  
In 200µL DMEM

**Prepare 3 tubes of SilenceMag™ (with different amounts of reagent)**

3



**96 well plate**

**24 well plate**

**6 well plate**

0.5µL/1µL/1µL in an empty  
microtube

1µL/2µL/3µL in an empty  
microtube

4µL/8µL/10µL in an empty  
microtube

**Mix each tube of siRNA (step 2) to each tube of SilenceMag™ (step 3)**



4

**96 well plate**

**24 well plate**

**6 well plate**

*siRNA*      *SilenceMag™*

*siRNA*      *SilenceMag™*

*siRNA*      *SilenceMag™*

10nM    +    0.5µL

10nM    +    1µL

10nM    +    4µL

25nM    +    1µL

25nM    +    2µL

25nM    +    8µL

50nM    +    1µL

50nM    +    3µL

50nM    +    10µL

**Incubate 20 min at room temperature**

5



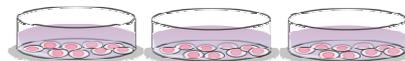
**Distribute each mix onto the cells, and incubate the cells 15 min on the magnetic plate**

6



**Remove the cells from the magnetic plate and incubate cells for 24 to 72h at 37°C until evaluation of transgene silencing**

7



**Choose the best ratio siRNA:SilenceMag™**

8



**NOTES:** (1) 24H before transfection seed the cells in 6 wells of a 96-well plate, 3 wells of a 24-well plate or 3 wells of a 6-well plate in respectively 150  $\mu$ L, 400  $\mu$ L and 2 mL of complete culture medium. (2) Allow reagents to reach RT and gently vortex them before forming complexes . (3) DMEM without serum & supplement is recommended for complexes preparation. (4) For doses less than 1 $\mu$ L, dilute your reagent with deionized water.

The complete instruction manual is accessible on OZ Biosciences website:  
[www.ozbiosciences.com](http://www.ozbiosciences.com)

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