

## Transfection protocol CHO-cells

### Materials:

6-well plates; ibidi dishes; HAM's F12 (10 % FCS+1%Pen/Strep+1%Glutamine) Opti-Mem; PEI solution (1µg/µl).

### 1. day:

- seed  $2 \times 10^5$  in each 6-well ibidi dish  $5 \times 10^5$  dish
- incubate at 37°C under 5% CO<sub>2</sub> atmosphere

### 2. day:

you have to prepare two solutions each 100 µl each:

#### solution 1 (DNA)

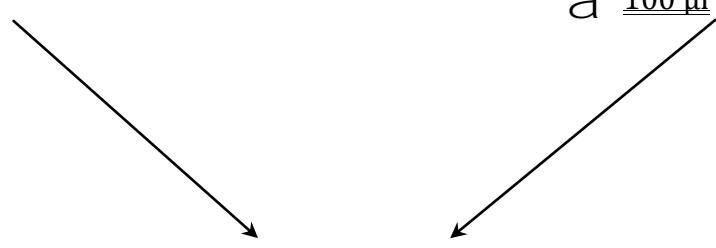
total amount of DNA = 2µg 0,25 µg  
for example: DNA concentration = 500ng

4 µl DNA  
+96 µl Opti-Mem  
∩ 100 µl

#### solution 2 (PEI)

use 2,5 fold of DNA amount (µg)=µl PEI

5 µl PEI  
95 µl Opti-Mem  
∩ 100 µl

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- Incubate for two minutes
  - **Add PEI to DNA !!**
  - mix both solutions by pipetting up and down 10 times
  - Incubate for 15 minutes
  - spread mixed solution on cells

### 3. day:

- change medium of the transfected cells with prewarmed (37°C) medium (CHO= HAM's F12, HEK AAV 293= DMEM High glucose).
- observe your cells