Optimization guide in a 24-well format — Viromer® PLASMID

Storage
Store the Viromer PLASMID kit at 4°C.

Before you start
Warm all reagents to room temperature.
Optional: Change media before transfection to remove dead cells.

Step 1: Preparation of pDNA
Dilute your pDNA stock solution in provided Buffer PLASMID at 11 ng/µl. Prepare a volume of 330µl.

Step 2: Preparation of Viromer®
Place a **0,2µl** droplet Viromer® onto each wall of 4 fresh tubes. Immediately add **4,8µl** of Buffer PLASMID and vortex 3-5s.
Always add buffer to Viromer® and not vice versa!

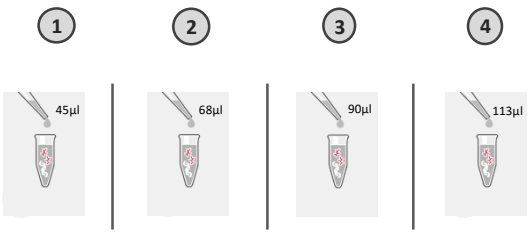
Provide Viromer® into 4 fresh tubes.

4x

Dilute Viromer® in buffer.

4x

Step 3: Complexation
Pipette the following volumes of pDNA (step 1) on the 5µl of Viromer® solution from step 2.



Mix swiftly and incubate 15min
at room temperature.

Step 4: Add 50µl of the transfection complexes on the cells
pDNA per well: 500ng

Step 5: Read-out
Incubate cells as usual. There is no need to change medium unless high amounts of transfection complex cause toxicity.
Monitor effects 24-72 hours post-transfection and determine the best conditions for your special cells.

In any case of questions regarding transfection or optimization, feel free to contact us at info@lipocalyx.de and discuss your experiment with us.