# VIROMER® RED

- pDNA/mRNA transfection
- Start Positive® Controls

## General Remarks

Start Positive® Controls are manufactured at Lipocalyx and lyophilized for stability.

Start Positive® Controls comprise a pCMV-GFP (3.5 kB) plasmid or a GFP mRNA complexed with Viromer® RED.

For further optimization, information and lab tips go to **www.lipocalyx.de** and visit our support pages.

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## Before you start

Grow cells to ~ 65% confluency. Use 100 or 500 µl of complete medium for 96 or 24 wells, respectively. Change the medium before transfection. Viromers are compatible with FCS and antibiotics and can be used with complete medium.

## Use of Positive Controls:

Rehydrate your Start Positive® Controls with 153 µl of Buffer E which is supplied with the kit.

Allow the material to completely rehydrate for 10 min. Add complexes to your cells. Titrate as per the table below to identify optimal conditions.

| | 96 well | | 24 well | |
|---|---|---|---|---|
| **Transfection Scale** | **Transfer volume** | **pDNA per well** | **Transfer volume** | **pDNA per well** |
| 0.5 x | 5 µl | 50 ng | 25 µl | 250 ng |
| 0.75 x | 7.5 µl | 75 ng | | |
| 1.0 x | 10 µl | 100 ng | 50 µl | 500 ng |
| 1.25 x | 12.5 µl | 125 ng | | |
| 1.5 x | 15 µl | 150 ng | 75 µl | 750 ng |

Expression from pDNA starts 6... 24 h after transfection. Expression from mRNA can begin as early as 2 h.