



VIROMER[®] BLUE

- ▶ siRNA/miRNA transfection
- ▶ Start Positive[®] Controls

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

version 06/15

General Remarks

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

Start Positive[®] Controls comprise (i) a GAPDH-siRNA complexed to Viromer and (ii) a non-targeted siRNA labeled with Cy3 also complexed to Viromer.

General Remarks

Reagents to be supplied by the user:

- Opti-MEM®

Grow cells to ~ 65% confluency. Use 100 or 500 μ l 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 Control:

Rehydrate your Start Positive® Controls with 153 μ l of Opti-MEM.

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

Transfection Scale	volume of complexes to add per well		siRNA on cells [nM]
	96 well	24 well	
0.5x	5 μ l	25 μ l	12.5
0.75x	7.5 μ l		19
1.0x	10 μ l	50 μ l	25
1.25x	12.5 μ l		31
1.5x	15 μ l	75 μ l	36

Monitor siRNA/miRNA effects between 24 and 72 h after transfection. Uptake of Cy3 labeled siRNA can be followed between 2 and 6 h.