



[VB-01LB-00, VB-01LB-01](#)

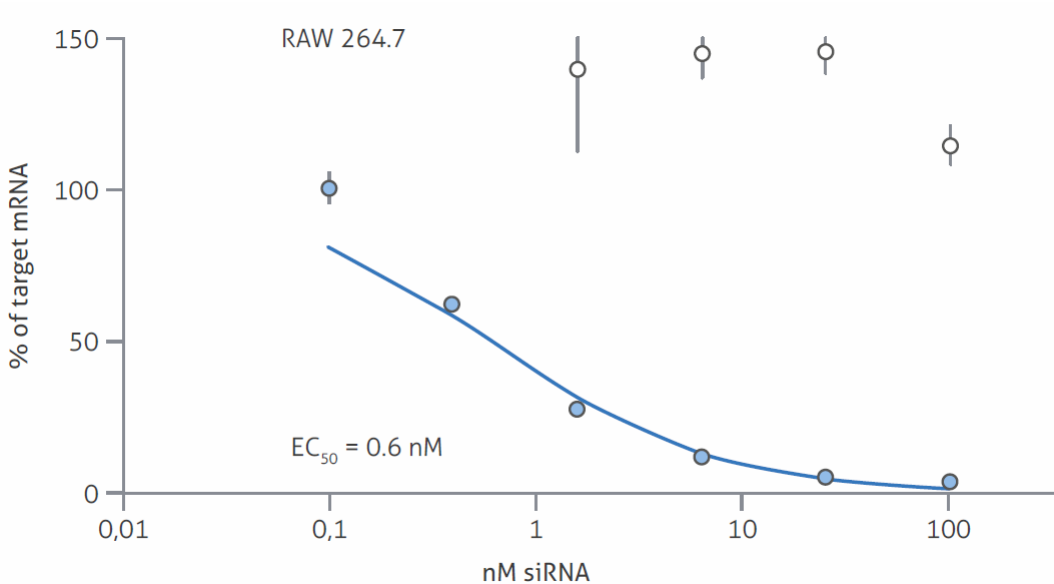


Fig. 1: Knockdown of AHA-1 gene expression in RAW 264.7 macrophages by siRNA-mediated transfection with Viromer® BLUE

- Dose-response curve to identify optimal siRNA concentration
- Target and control siRNA as filled and open symbols, respectively.

Data from Axolabs, Kulmbach (Germany)



[VB-siBUNDLE-01](#)

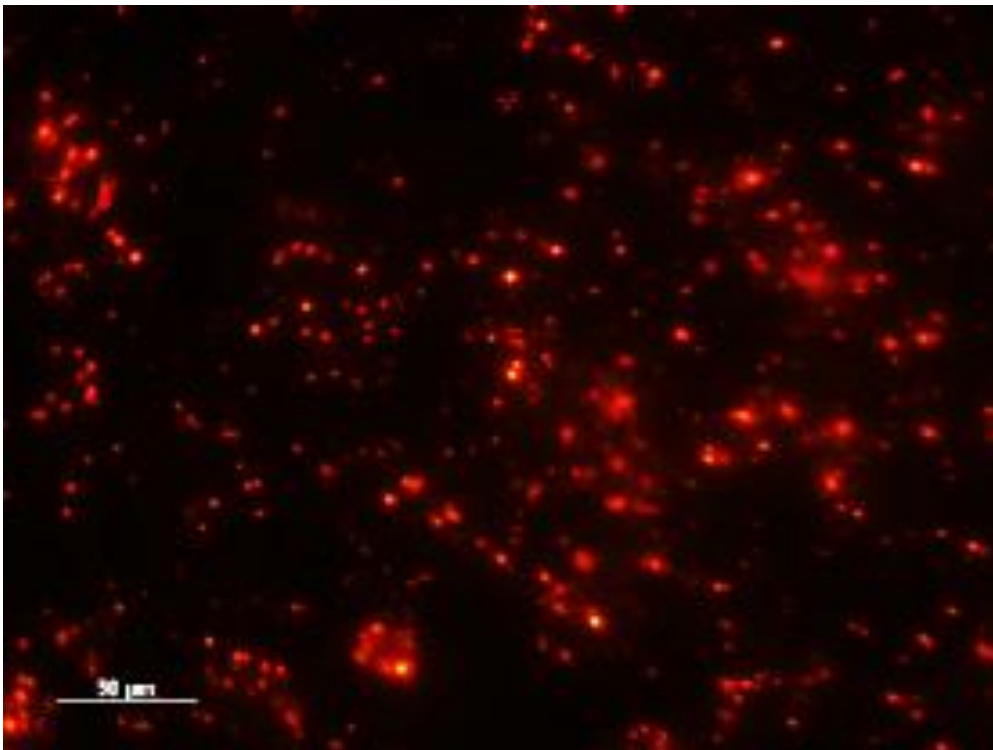
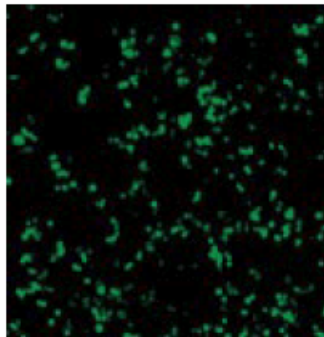
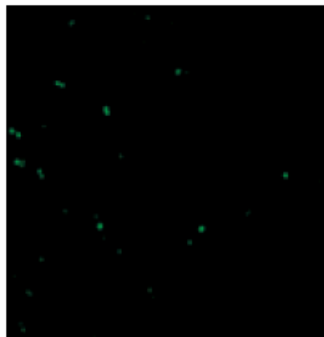


Fig. 2: Monitoring of transfection complex uptake by RAW 264.7 macrophages transfected with a Cy3-labeled siRNA using Viomer® BLUE Start Positive Controls (fluorescence microscopy).

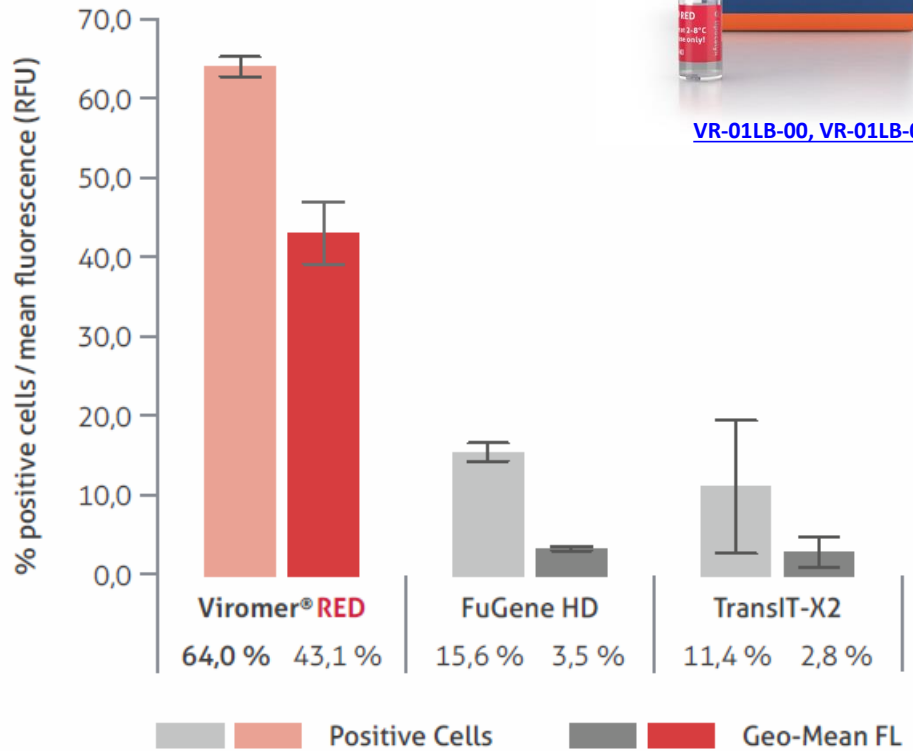
Internal data Lipocalyx GmbH



Viomer[®] RED



TransIT-X2



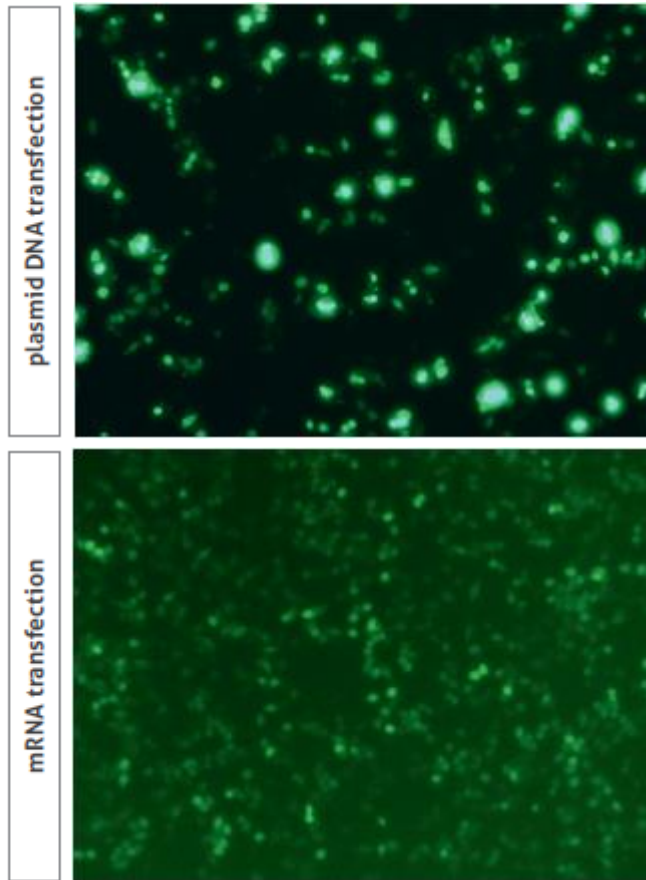
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Fig. 3: Comparative overexpression of GFP in RAW 264.7 mouse macrophages after plasmid transfection with Viomer[®] RED, FuGene[®] HD and TransIT-X2[™]

- eGFP plasmid
- 96-well plate format setup
- 100 ng DNA / well
- 24h incubation
- FACS and microscopy data demonstrate the superiority of Viomer[®] RED
...with more than **60 %** efficiency!

Internal data Lipocalyx GmbH

RAW 264.7 macrophages: transfection of **pDNA** and **mRNA**



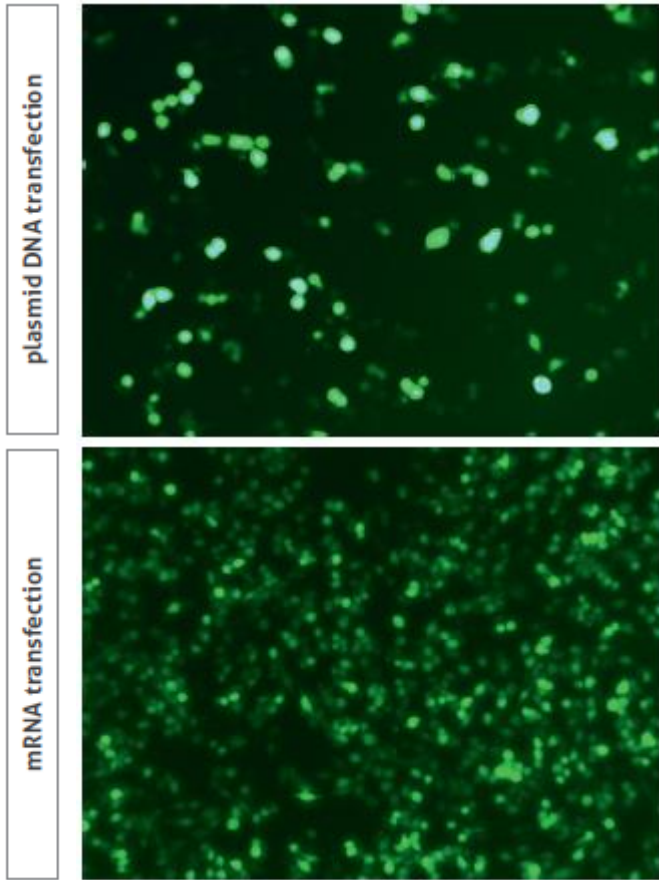
[VR-01LB-00, VR-01LB-01](#)

Fig. 4: Comparative GFP overexpression after plasmid or mRNA transfection in RAW 264.7 macrophages with Viomer® RED

Use of pCMV-GFP plasmid (Plasmid Factory) and GFP-mRNA (Trilink)

Data from H. Cynis, Fraunhofer Institute for Cell Therapy and Immunology, Halle (Germany)

RAW 264.7 macrophages: transfection of **pDNA** and **mRNA**



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Fig. 5: Comparative GFP overexpression after plasmid or mRNA transfection in RAW 264.7 macrophages with Viomer® RED Start Positive® Controls

Viomer particles already complexed to pCMV-GFP plasmid (Plasmid Factory) or GFP-mRNA (Trilink)

Data from H. Cynis, Fraunhofer Institute for Cell Therapy and Immunology, Halle (Germany)