VIROMER® ONE RED

Quick Guide

plasmid and mRNA transfection

ONE step transfection

Recommendations

Viromer® ONE RED is fully compatible with cell culture media, sera or antibiotics. Seed cells in complete medium the day before transfection. For good practice, replace medium before transfection.

Cell culture and plating: grow cells to reach 60-80 % of confluency at the time of transfection.

Use volumes and cell numbers as per the table below. Optimal density for transfection is highly variable within cell types and need to be determined empirically.

Multiwell plate type	96	24
Adherent cells		
Cells seeded per well	12,000	60,000
*Range	± 3,000	± 20,000
Suspension cells		
Cells seeded per well	48,000	240,000
*Range	± 12,000	± 80,000
Medium per well	0.1 ml	0.5 ml

* in reverse transfection protocols, cell numbers should be on the higher end

Suspension cells: These cells need more DNA, please start using the 1.5 x transfection scale and go to 2.0 x or 2.5 x.

Viromer® ONE RED is fully compatible with our Viromer® RED liquid product, but is easier to handle and significantly reduces variability. Please refer to our cell data base for a complete list of cell types that are amenable to Viromer transfection.

For further information go to **www.viromer-transfection.com/one** and visit our support pages and cell data bases
...do not hesitate to contact us!

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Basic transfection protocol

96 and 24 well format

Dilute your pDNA/mRNA to 10 ng/µl using sterile H_2O.Provide a minimum volume of 80µl.

1. Pierce the foil and rehydrate each vial with 80 µl. Mix swiftly by pipetting up and down and incubate for 15 min at room temperature.
2. Transfer complexes to your cells.

transfer volume	5–15µl	25–75µl
pDNA/mRNA per well	50–150ng	250–750nl

Incubate cells as usual. Monitor pDNA/mRNA effects 6-48h after transfection. Expression from mRNA can begin as early as 2h.

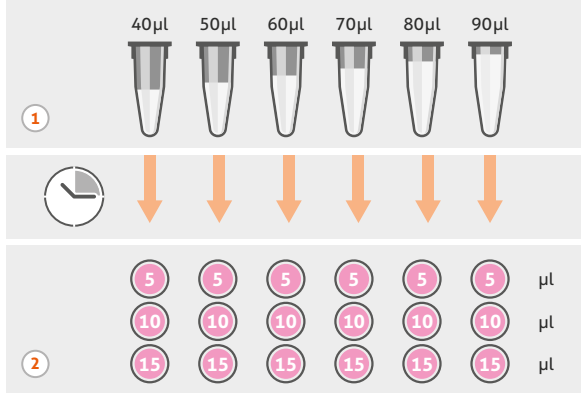
Note(s)

For transfections in 12 well or 6 well plates, please rehydrate first and combine units after complexation.

Transfection Optimization

96 well format

Provide 400µl of your pDNA or mRNA (10ng/µl) in sterile H_2O. Rehydrate six vials with the volumes indicated below and mix swiftly by pipetting up and down.



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