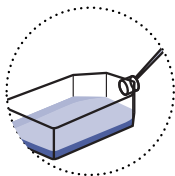


Nucleofection® Handling – Optimized Protocols

Lonza

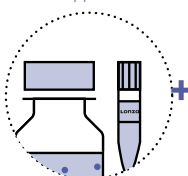
Step 1

Harvest cells of interest.



Step 2

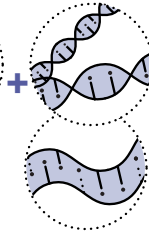
Mix and combine.
Nucleofector® Solution
with supplement



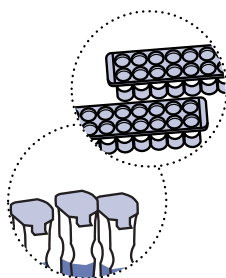
Cells



Substrate

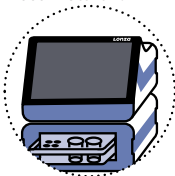


Transfer to a Lonza
certified cuvette.



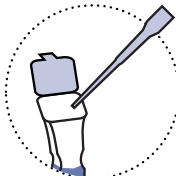
Step 3

Select Nucleofector®
Program. Insert cuvette.
Press » Start «.



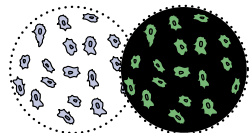
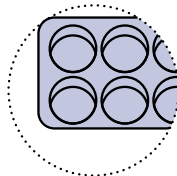
Step 4

Rinse cuvette with
culture medium.



Step 5

Transfer to culture dish. Expression can be detected as
soon as 3 – 8 hours post Nucleofection® Experiment.



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Tips to get more out of your Nucleofection®

- Prepare multiwell plates with fresh medium and pre-equilibrate at 37°C prior to experiment
- Use cells at low passage number and at the recommended confluence or density (logarithmic growth)
- Limit time of exposure to trypsin, carefully monitor cell detachment
- Count cells and use appropriate cell number according to optimized protocol; using fewer cells can result in increased mortality
- Use high quality DNA, purified with an endotoxin removing kit; please check the purity of each plasmid preparation by measurement of the A260 : A280 ratio
- Centrifuge at room temperature at the centrifugation speed (80 – 100 xg) and for the time specified in the protocol
- After centrifugation and addition of Nucleofector® Solution, swirl solution /cell pellet for single cell suspension and avoid manipulating or pipetting pellet
- Following Nucleofection®, add ~ 500 µL of pre-warmed medium on top of cells in cuvette with disposable pipette
 - Gently bring pipette tip to the bottom of cuvette and collect cells
 - Gently seed the cell suspension into prepared multiwell-plate
 - Do NOT mix cells by repeated aspiration

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For more information please check our Optimized Protocols at www.lonza.com/cell-database or contact our Scientific Support Team.

