

Quick Protocol

ScreenFect®Enhancer - Additional Reagent for better Transfection results

Package contents

Cat. No.	ScreenFect®Enhancer
S-1001-2	0.1 ml
S-1001-3	0.5 ml
S-1001	1 ml

Storage conditions

Store ScreenFect®Enhancer at 2-8°C. Do not freeze.

After storage of several months without using the reagent slight precipitation might occur. If vortexed thoroughly, this has no influence on the performance of ScreenFect®Enhancer.

General considerations

Store ScreenFect®Enhancer at 2-8°C. Do not freeze.

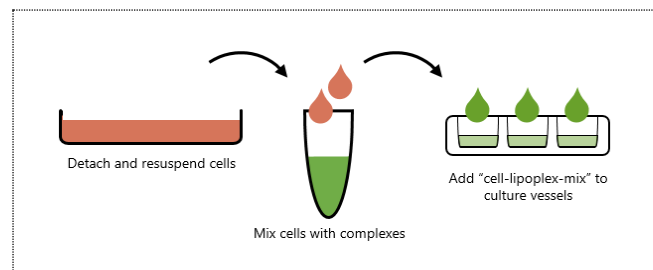
After storage of several months without using the reagent slight precipitation might occur. If vortexed thoroughly, this has no influence on the performance of ScreenFect®Enhancer. For optimal results, amounts of ScreenFect® Transfection Reagents and nucleic acid (NA) need to be optimized for each cell type, each NA and each culture volume used. Please follow the detailed instructions in the ScreenFect®Reagent specific manuals and use the information to determine the best working conditions for your application.

Ensure your cells are in appropriate density and in the exponential growth phase on the day of transfection.

For additional information regarding ScreenFect® Products, visit the InCella homepage (www.incella.com) and view our product pages and instruction manuals.

ScreenFect®Enhancer

ScreenFect® Protocol: One-Step Transfection



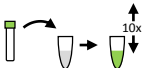
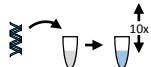

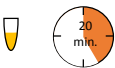


ScreenFect® Products

ScreenFect®A	Multipurpose reagent (best for pDNA transfection, suitable for RNA applications) with very low toxicity.
ScreenFect®A-plus	Multipurpose reagent with optimized formulation requiring less reagent per transfection.
ScreenFect®siRNA	Specialized reagent for best performance in siRNA delivery.
ScreenFect®mRNA	Optimized reagent for the delivery of mRNA.
ScreenFect® Fluorescent Series	Track your transfection by using ScreenFect®Green or ScreenFect®Red.
ScreenFect®Enhancer	Increase the Transfection Efficiency of ScreenFect® Products

Quick Protocol

ScreenFect® Enhancer

Protocol for pDNA Transfection

	Procedure for one well (96-well-plate)	96-well	24-well	6-well
1	 <p>Dilute ScreenFect® Transfection Reagent in Dilution Buffer to a final volume of 10 µl and mix thoroughly.</p>	x µl transfection reagent 10 µl dilution	x µl transfection reagent 40 µl dilution	x µl transfection reagent 120 µl dilution
<p><i>Important: Use the normal Volumes of transfection reagent following the Instruction manuals. Vortex the reagent once per day of use. Add ScreenFect® Reagent directly into supplied buffer with rapid pipette mixing or vortexing.</i></p>				
2	 <p>Dilute a total of 75 ng pDNA in Dilution Buffer to a final volume of 10 µl.</p>	75 ng pDNA 10 µl dilution	300 ng pDNA 40 µl dilution	1000 ng pDNA 120 µl dilution
3	 <p>Add 0,15 µl ScreenFect® Enhancer to the pDNA dilution</p>	0,15 µl Enhancer	0,6 µl Enhancer	2µl Enhancer
<p><i>Important: Vortex ScreenFect® Enhancer shortly before using!</i></p>				
4	 <p>Combine the dilutions of pDNA (including ScreenFect® Enhancer) and ScreenFect® Transfection Reagent and mix immediately using 10 rapid pipette strokes. Leave for 20 min at RT for complex formation.</p>	20 µl complexes	80 µl complexes	240 µl complexes
<p><i>Important: Do not vortex!</i></p>				
5	 <p>Add 80 µl freshly detached and resuspended cells to the complexes and mix with pipette.</p>	Add 80 µl cell suspension	Add 420 µl cell suspension	Add 1250 µl cell suspension
<p><i>Tip: The time-saving reverse cell transfection method may not be suited for all cell types. To transfect adherent cells, first remove and discard medium from cells, then add 80 µl fresh culture medium to transfection complexes, mix with pipette and immediately apply to cells.</i></p>				
6	 <p>Transfer the cells and complexes to one well of a 96-well plate.</p>	Transfer cells with complexes to plate	Transfer cells with complexes to plate	Transfer cells with complexes to plate

Note: This protocol is a guideline. Values are suitable for easy to transfect cell lines. This protocol does not replace optimization experiments. View our product manuals for our ScreenFect® Transfection reagents for instructions.

Serum does not affect the performance of ScreenFect® Reagents but we recommend avoiding antibiotics. Cells must be mycoplasma free, in exponential growth phase and have even plating density over the entire surface area.