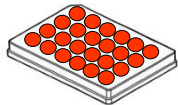
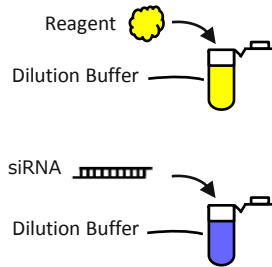
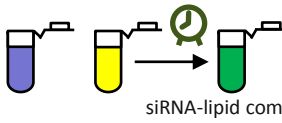
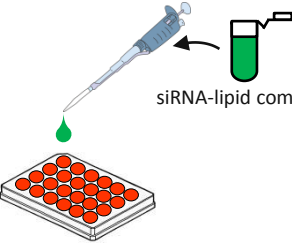
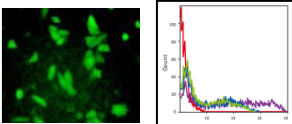


1-Step method (Reverse transfection method)

Timeline		Steps
Day 0	<p>Reagent Dilution Buffer</p>	<p>Dilute ScreenFect™ A Reagent^{※1} in Dilution Buffer, and then mix well ^{※1} Vortex the reagent before use</p>
	<p>siRNA Dilution Buffer</p>	<p>Dilute siRNA in Dilution Buffer, and then mix well</p>
	<p>siRNA-lipid complex</p>	<p>Add diluted siRNA to diluted ScreenFect™ A Reagent, and then incubate for 5 minutes ~ at room temperature^{※2} ^{※2} Incubation is available until the step 4 has been completed</p>
	<p>Cultured cells</p>	<p>Prepare required cells for transfection</p>
	<p>Cell suspension</p>	<p>Detach cells and prepare the cell suspension, and then transfer the required numbers of cell suspension to cell culture plate</p>
Day 0	<p>siRNA-lipid complex</p>	<p>Add siRNA-lipid complex from step 2 to well of cell culture plate from step 4</p>
Day 1 ~		<p>Visualize/analyze transfected cells</p>

Procedure Details				
Component	96-well	24-well	12-well	6-well
Dilution Buffer for ScreenFect™ A	5 μL	25 μL	50 μL	125 μL
ScreenFect™ A Transfection Reagent	0.1-0.3 μL	0.5-1.5 μL	1.0-3.0 μL	3.5-7.5 μL
Dilution Buffer for ScreenFect™ A	5 μL	25 μL	50 μL	125 μL
siRNA	2-3 pmol	10-20 pmol	20-40 pmol	20-60 pmol
Diluted siRNA	5 μL	25 μL	50 μL	125 μL
Diluted ScreenFect™ A Transfection Reagent	5 μL	25 μL	50 μL	125 μL
Adherent cells or suspension cells	1.0-4.0 × 10 ⁴	0.5-2.0 × 10 ⁵	1.0-4.0 × 10 ⁵	0.25-1.0 × 10 ⁶
Cell Detachment (Trypsin or Accutase®)				
Final composition [per well]	96-well	24-well	12-well	6-well
siRNA-lipid complex	10 μL	50 μL	100 μL	250 μL
siRNA amount	2-3 pmol	10-20 pmol	20-40 pmol	20-60 pmol
ScreenFect™ A Transfection Reagent used	0.1-0.3 μL	0.5-1.5 μL	1.0-3.0 μL	3.5-7.5 μL
Medium volume	100 μL	500 μL	1000 μL	2000 μL
Incubate cells for 1 day ~ at 37°C. Then, analyze transfected cells.				

2-Step method (Forward transfection method)

Timeline		Steps	Procedure Details					
1	Day 0	 Pre-Cultured cells	Seed cells to be 70-90% confluent at transfection	Component	96-well	24-well	12-well	6-well
				Adherent cells or suspension cells	$1.0-4.0 \times 10^4$	$0.5-2.0 \times 10^5$	$1.0-4.0 \times 10^5$	$0.25-1.0 \times 10^6$
Seed cells to be 70-90% confluent at transfection. The medium replacement may improve a transfection efficiency in a 2-Step method.								
2		 Reagent Dilution Buffer siRNA Dilution Buffer	Dilute ScreenFect™ A Reagent*1 in Dilution Buffer, and then mix well ※1 Vortex the reagent before use Dilute siRNA in Dilution Buffer, and then mix well	Dilution Buffer for ScreenFect™ A	5 μL	25 μL	50 μL	125 μL
				ScreenFect™ A Transfection Reagent	0.1-0.3 μL	0.5-1.5 μL	1.0-3.0 μL	3.5-7.5 μL
3	Day 1	 siRNA-lipid complex	Add diluted siRNA to diluted ScreenFect™ A Reagent, and then incubate for 5 minutes ~ at room temperature*2 ※2 Incubation is available until the step 4 has been completed	Dilution Buffer for ScreenFect™ A	5 μL	25 μL	50 μL	125 μL
				siRNA	2-3 pmol	10-20 pmol	20-40 pmol	20-60 pmol
4		 siRNA-lipid complex	Add siRNA-lipid complex from step 3 to well of cell culture plate from step 1	Diluted siRNA	5 μL	25 μL	50 μL	125 μL
				Diluted ScreenFect™ A Transfection Reagent	5 μL	25 μL	50 μL	125 μL
Final composition [per well]				96-well	24-well	12-well	6-well	
siRNA-lipid complex				10 μL	50 μL	100 μL	250 μL	
siRNA amount				2-3 pmol	10-20 pmol	20-40 pmol	20-60 pmol	
ScreenFect™ A Transfection Reagent used				0.1-0.3 μL	0.5-1.5 μL	1.0-3.0 μL	3.5-7.5 μL	
Medium volume				100 μL	500 μL	1000 μL	2000 μL	
5	Day 2 ~		Visualize/analyze transfected cells	Incubate cells for 1 day ~ at 37°C. Then, analyze transfected cells.				
				For support, please visit the http://screenfect.jp				