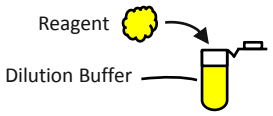
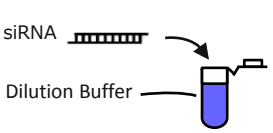
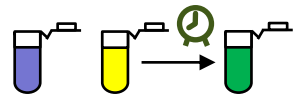
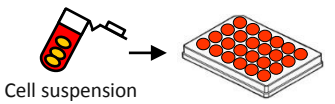
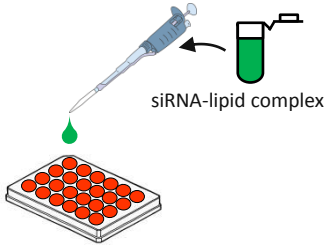
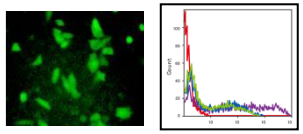
ScreenFect™siRNA Transfection Protocol

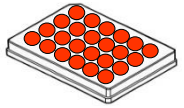
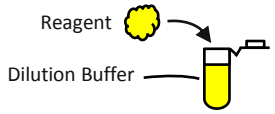
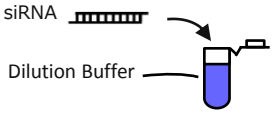
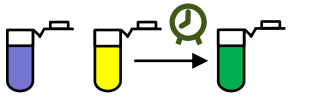
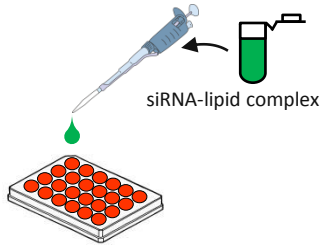
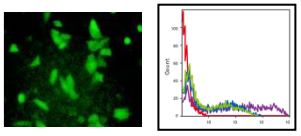
The optimal condition for successful transfection varies. Start any new transfection by testing the recommended two concentrations of ScreenFect™siRNA Reagent to determine an optimum amount.

1-Step method (Reverse transfection method)

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

Day 0

2-Step method (Forward transfection method)

	Timeline	Steps
1		**Seed cells to be 70-90% confluent at transfection**
2		**Dilute ScreenFect™siRNA Reagent※1 in Dilution Buffer, and then mix well** **※1 Vortex the reagent before use**
		**Dilute siRNA in Dilution Buffer, and then mix well**
3		**Add diluted siRNA to diluted ScreenFect™siRNA Reagent, and then incubate for 5 minutes ～ at room temperature※2** **※2 Incubation is available until the step 4 has been completed**
4		**Add siRNA-lipid complex from step 3 to well of cell culture plate from step 1**
5		**Visualize/analyze transfected cells**

Day 0 / Day 1 / Day 2～