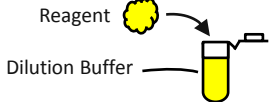
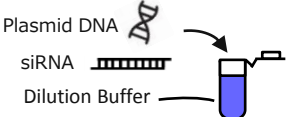
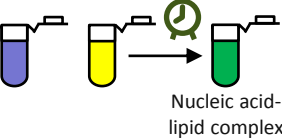

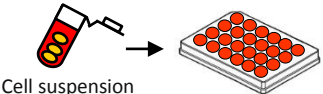
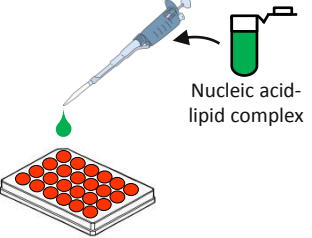
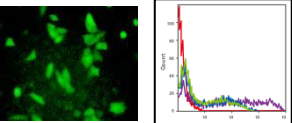


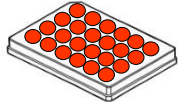
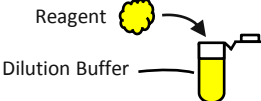
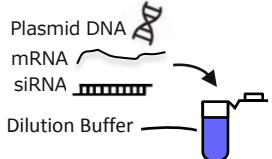
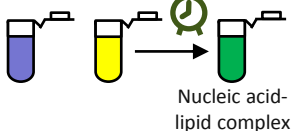
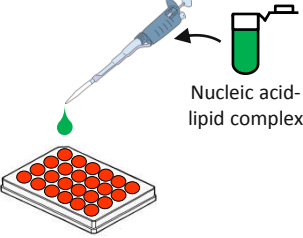
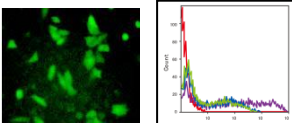
ScreenFect™A Transfection Protocol

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

1-Step method (Reverse transfection method)

Timeline		Steps
Day 0	 <p>1 Reagent Dilution Buffer</p>	Dilute ScreenFect™A Reagent*1 in Dilution Buffer, and then mix well *1 Vortex the reagent before use
	 <p>2 Plasmid DNA siRNA Dilution Buffer</p>	Dilute nucleic acid (DNA, mRNA or siRNA) in Dilution Buffer, and then mix well
	 <p>3 Nucleic acid-lipid complex</p>	Add diluted nucleic acid 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>4 Cultured cells</p>	Prepare required cells for transfection
	 <p>5 Cell suspension</p>	Detach cells and prepare the cell suspension, and then transfer the required numbers of cell suspension to cell culture plate
	 <p>6 Nucleic acid-lipid complex</p>	Add Nucleic acid-lipid complex from step 2 to well of cell culture plate from step 4
Day 1 ~	 <p>7 Visualize/analyze transfected cells</p>	Visualize/analyze transfected cells

2-Step method (Forward transfection method)

Timeline		Steps
Day 0	 <p>1 Pre-Cultured cells</p>	Seed cells to be 70-90% confluent at transfection
	 <p>2 Reagent Dilution Buffer</p>	Dilute ScreenFect™A Reagent*1 in Dilution Buffer, and then mix well *1 Vortex the reagent before use
Day 1	 <p>3 Plasmid DNA mRNA siRNA Dilution Buffer</p>	Dilute nucleic acid (DNA, mRNA or siRNA) in Dilution Buffer, and then mix well
	 <p>4 Nucleic acid-lipid complex</p>	Add diluted nucleic acid 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>5 Nucleic acid-lipid complex</p>	Add Nucleic acid-lipid complex from step 3 to well of cell culture plate from step 1
	 <p>6 Visualize/analyze transfected cells</p>	Visualize/analyze transfected cells
Day 2 ~		