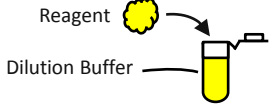
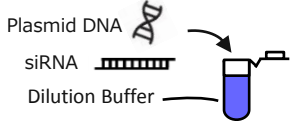
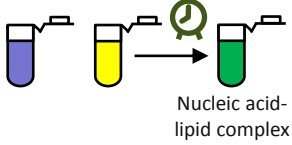

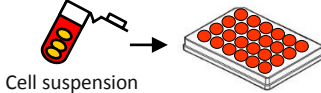
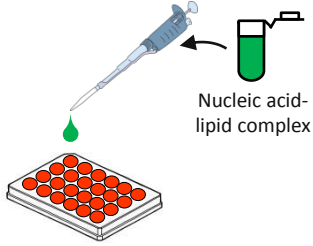
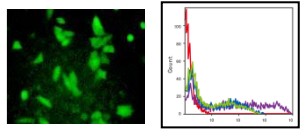


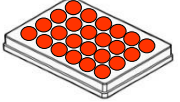
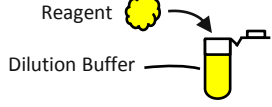
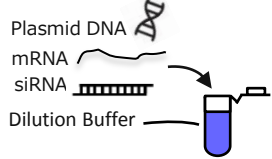
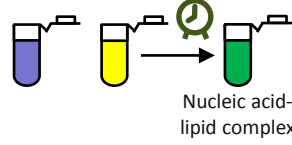
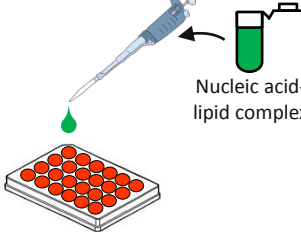
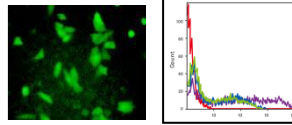
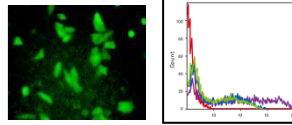
# ScreenFect™A plus Transfection Protocol

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

## 1-Step method (Reverse transfection method)

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

## 2-Step method (Forward transfection method)

Timeline		Steps
Day 0	 <p>1</p>	<p>Seed cells to be 70-90% confluent at transfection</p>
	 <p>2</p>	<p>Dilute ScreenFect™A plus Reagent*<sup>1</sup> in Dilution Buffer, and then mix well *<sup>1</sup> Vortex the reagent before use</p>
Day 1	 <p>3</p>	<p>Dilute nucleic acid (DNA, mRNA or siRNA) in Dilution Buffer, and then mix well</p>
	 <p>4</p>	<p>Add diluted nucleic acid to diluted ScreenFect™A plus Reagent, and then incubate for 5 minutes ~ at room temperature*<sup>2</sup> *<sup>2</sup> Incubation is available until the step 4 has been completed</p>
	 <p>5</p>	<p>Add Nucleic acid-lipid complex from step 3 to well of cell culture plate from step 1</p>
	 <p>6</p>	<p>Visualize/analyze transfected cells</p>
	Day 2 ~	 <p>7</p>