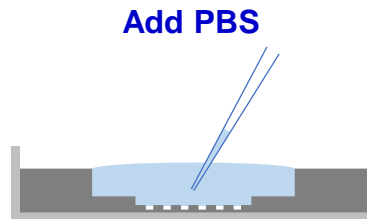


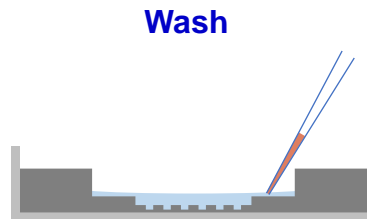
## PicoWell Chamber Quick-Start Guide

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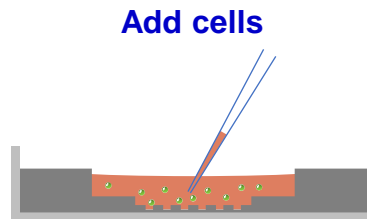
**Add PBS**

- Place PicoWell Chamber on flat surface and add PBS in each well.
- We recommend to use 800  $\mu\text{L}$  for 2 well chamber and 200  $\mu\text{L}$  for 4 well chamber.
- Allow 5 mins for PBS to fill the PicoWell array.



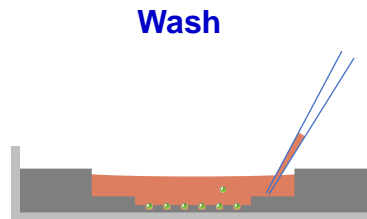
**Wash**

- Remove PBS (600  $\mu\text{L}$  for 2 well chamber and 160  $\mu\text{L}$  4 well chamber).
- Please make sure do NOT remove all the PBS.
- Wash three times with medium (200  $\mu\text{L}$  for 2 well chamber and 100  $\mu\text{L}$  4 well chamber).



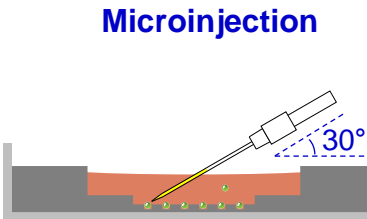
**Add cells**

- Ready to add cells.
- Exchange medium with cell suspension. Again, make sure do NOT remove all the medium.
- We recommend to use cell concentration  $1 \times 10^6$ – $1 \times 10^7$  cells/mL.



**Wash**

- Wait for 5 mins allowing the cells to enter and fill the PicoWell array.
- To remove excessive cells, exchange cell suspension with fresh medium. Repeat three times.
- Ready to use.



**Microinjection**

- For microinjection, we recommend to set injection needle approach angle to  $30^\circ$  for the best result.

## Applications

- Gene manipulation
- Intracellular injection
- Single cell imaging
- Cell-cell interaction
- Live cell tracking
- High-throughput analysis