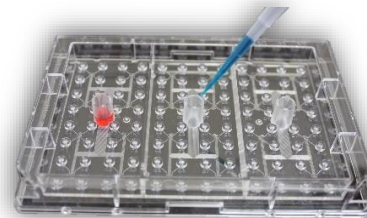


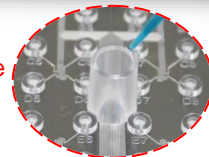
Quick-Start Protocol of 1CellPlate

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Bulk Cells Adding

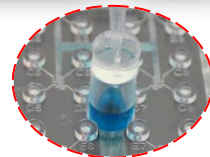
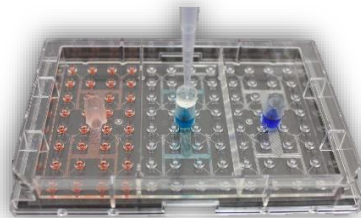


Enlarge image



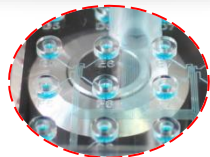
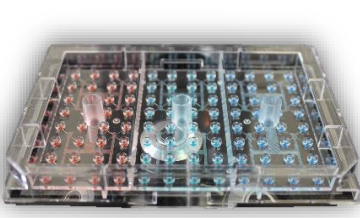
Add 100-200 μ L of liquid containing about 30 fully suspended cells into each Inlet Port by common pipette.

Single-Cell Isolation



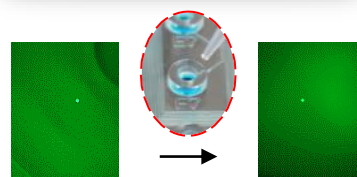
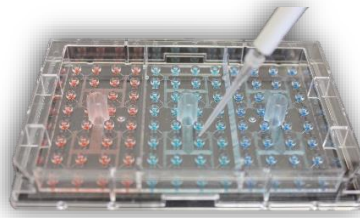
Put a pipette tip containing an Inlet Adaptor on the top of Inlet Port and press pipette plunger down (100-200 μ L +P).

Single-Cell Identification



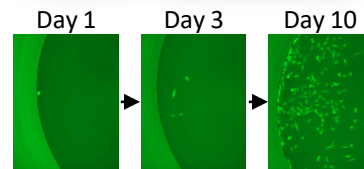
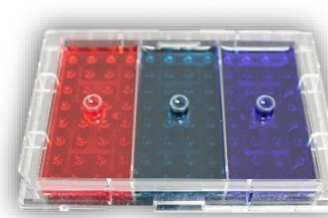
Put the plate under an inverted microscope with 10x objective to identify all Outlet Wells containing only a single cell.

Single-Cell PCR



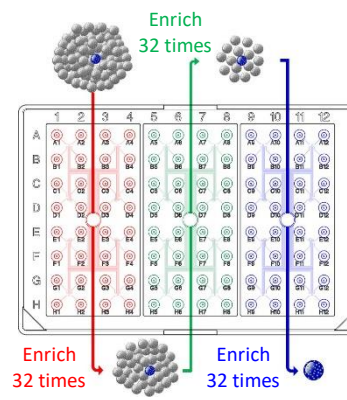
Suspend isolated single cells and retrieve them by pipette as 3-6 μ L of suspensions into PCR tubes for single-cell PCR.

Single-Cell Cloning



Add 10 mL of cell culture medium into each large Chamber to culture several weeks to generate clonal cells.

Target Cell Isolation



Label the target cell with fluorescence and aliquot several times until it is finally isolated as a single cell.

Applications

- Single Cell Cloning
- Target Cell Isolation
- Single-Cell PCR & Sequencing
- CRISPR Cell Line Development