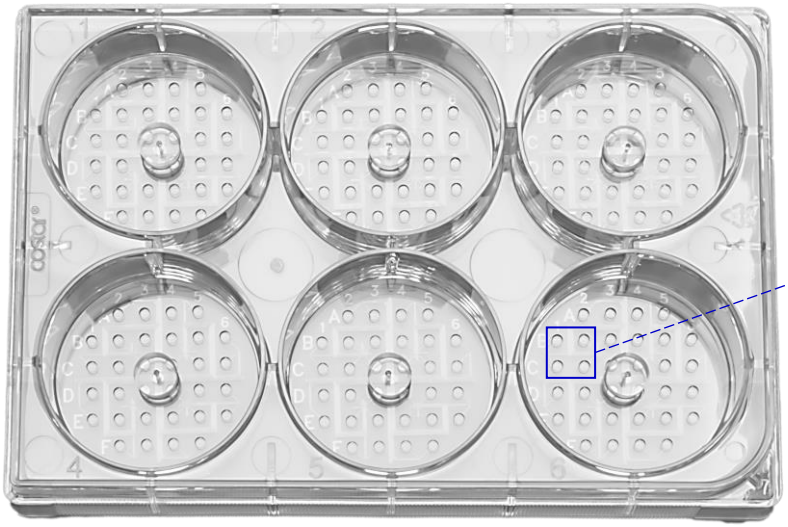
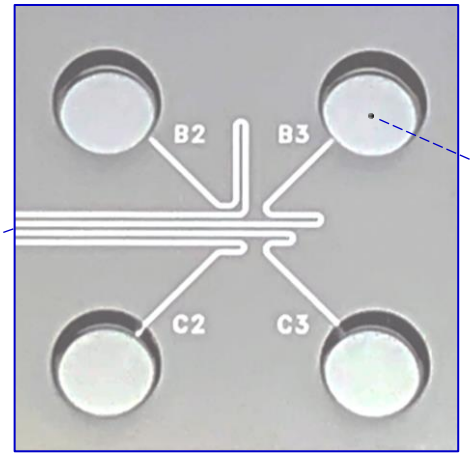
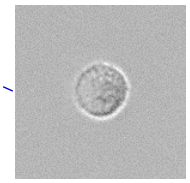
1CellPlate®-mini
Single-Cell Isolation Plate

1CellPlate®-mini Single-Cell Isolation Plate provides an easy, rapid, and efficient method to isolate multiple types of single cells for desired single-cell analysis.







Isolate 1 cell in 2 µL volume

Cat. No. P2-SCPM-5PK

Specifications	Description
Format	Standard 6-well plate format
Material	Polystyrene & PDMS
Sterility	Sterile
No. of Wells	192 wells (32 x 6)
Well Volume	2.5 µL per well
Well Bottom	Flat polystyrene
Surface Treatment	Tissue culture-treated
Single-Cell Yield	~ 60 per device (~ 10 x 6)
Single-Cell Isolation Volume	2 µL
Compatible Cell Size	≤ 50 µm (diameter)
Cell Types Can Be Isolated	6 cell types per device

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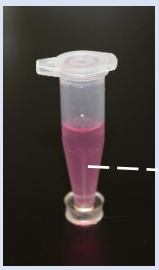
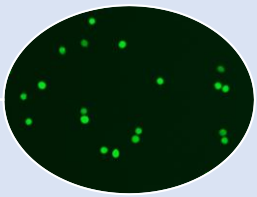
Initial Cell Suspension

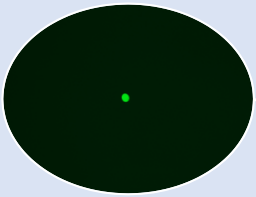


250-500 cells per mL



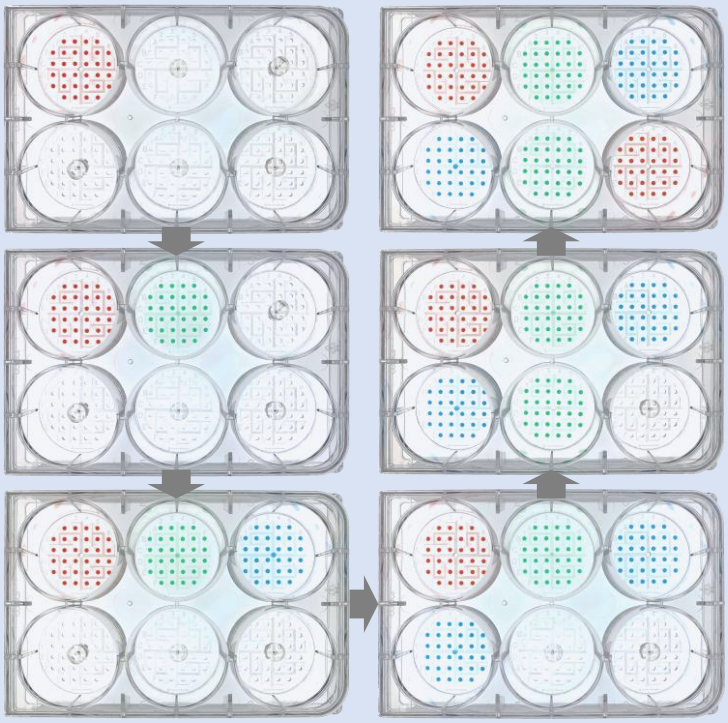
Final Cell Suspension: 1 Cell in 1 Tube

1 cell per 2 µL

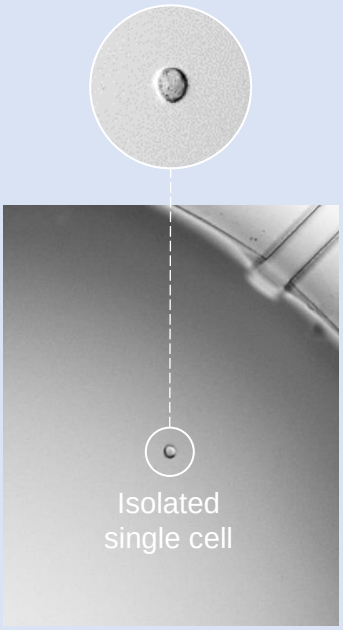


Single-Cell Isolation by 1CellPlate®-mini

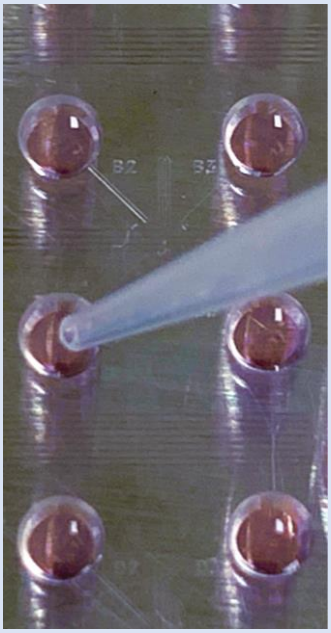
1. Isolate ~ 60 single cells in one minute



2. Identify single cells in 1.8-mm diameter of wells by common microscope



3. Retrieve single cells in 2 µL of suspensions with a regular pipette



Features

- ✓ Easy operation by regular pipette, no special instrument and skills required
- ✓ Compatible with most cell sizes & types
- ✓ Isolate 6 cell types by using one 1CellPlate®-mini
- ✓ Small wells allow precise identification of isolated single cells without cell labeling procedure
- ✓ Gentle and uniform flow allowing cells to keep very high viability and integrity
- ✓ Small single-cell isolation volume to meet various single-cell genetic analysis needs
- ✓ No liquid backflow and cross-talk between wells

Applications

- ✓ Single-Cell Isolation
- ✓ Single-Cell Lysis
- ✓ Single-Cell Multiomics
- ✓ Single-Cell PCR & Sequencing
- ✓ CRISPR Cell Isolation
- ✓ Stem Cell Isolation

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