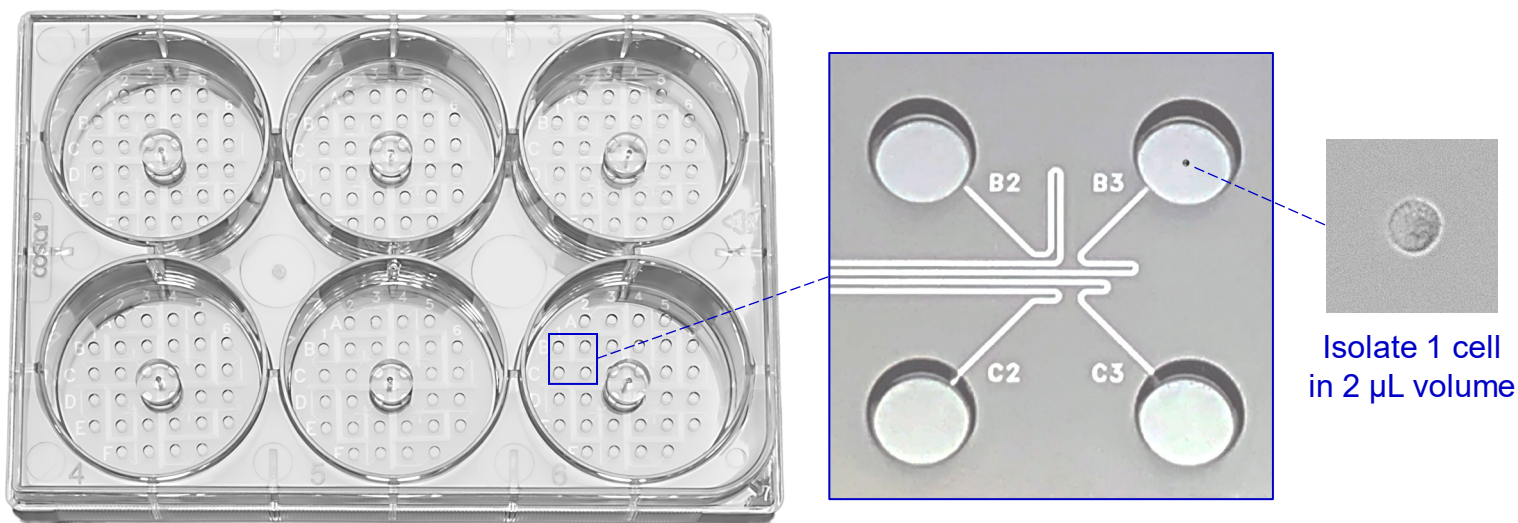


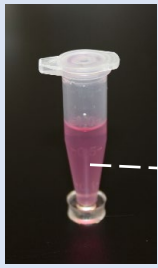
1CellPlate[®]-mini Ultra-Low Volume 192-Well Single-Cell Isolation Microplate provides an easy and rapid method to isolate single cells into 2 μ L volumes for various downstream analyses, including single-cell lysis, PCR, and sequencing.



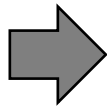
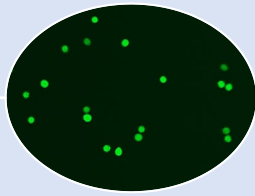
Cat. No. P2-SCPM-5PK

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 μ L 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 μ L
Compatible Cell Size	\leq 50 μ m (diameter)
Cell Types Can Be Isolated	6 cell types per device

Initial Cell Suspension

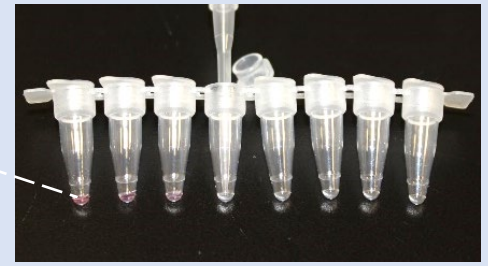
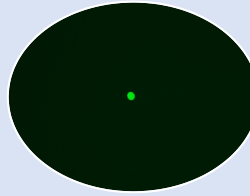


250-500 cells per mL



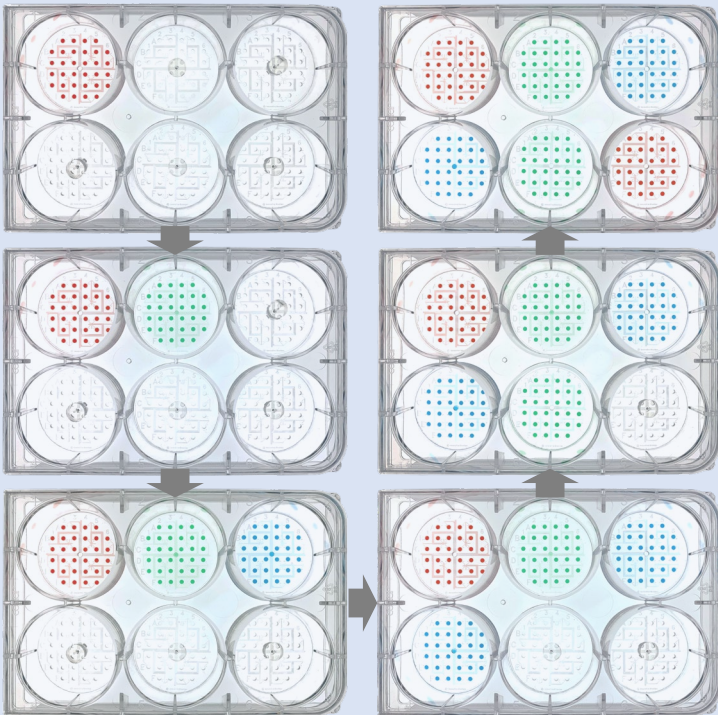
Final Cell Suspension: 1 Cell in 1 Tube

1 cell per 2 μ L

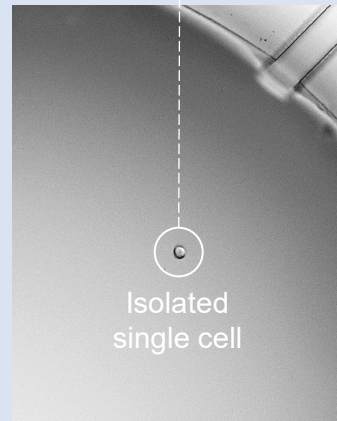
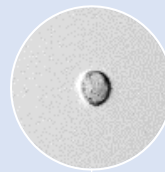


Single-Cell Isolation by 1CellPlate[®]-mini

1. Isolate ~ 60 single cells in one minute

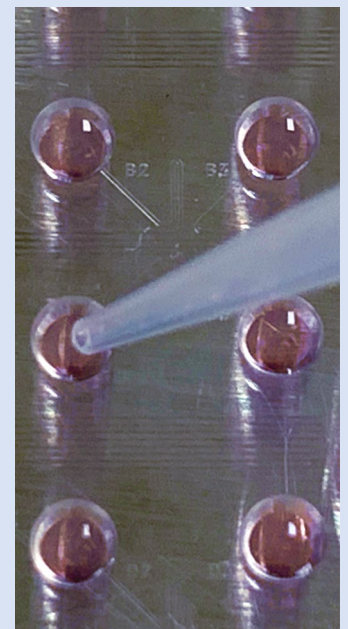


2. Identify single cells in 1.8-mm diameter of wells by common microscope



Isolated single cell

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



Features

- ✓ Compatible with cell diameter $\leq 50 \mu\text{m}$
- ✓ Compatible with cell numbers ≤ 100 cells
- ✓ Compatible with cell types 1-6 types/device
- ✓ Easy single-cell identification in 1.8 mm well
- ✓ Ultra-low single-cell isolation volume: 2 $\mu\text{L}/\text{cell}$
- ✓ Gentle microflow keeps high single-cell viability
- ✓ No liquid backflow and cross-talk between wells
- ✓ Easy operation by regular pipette in a sterile hood
- ✓ No special equipment or operation skills are required

Applications

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