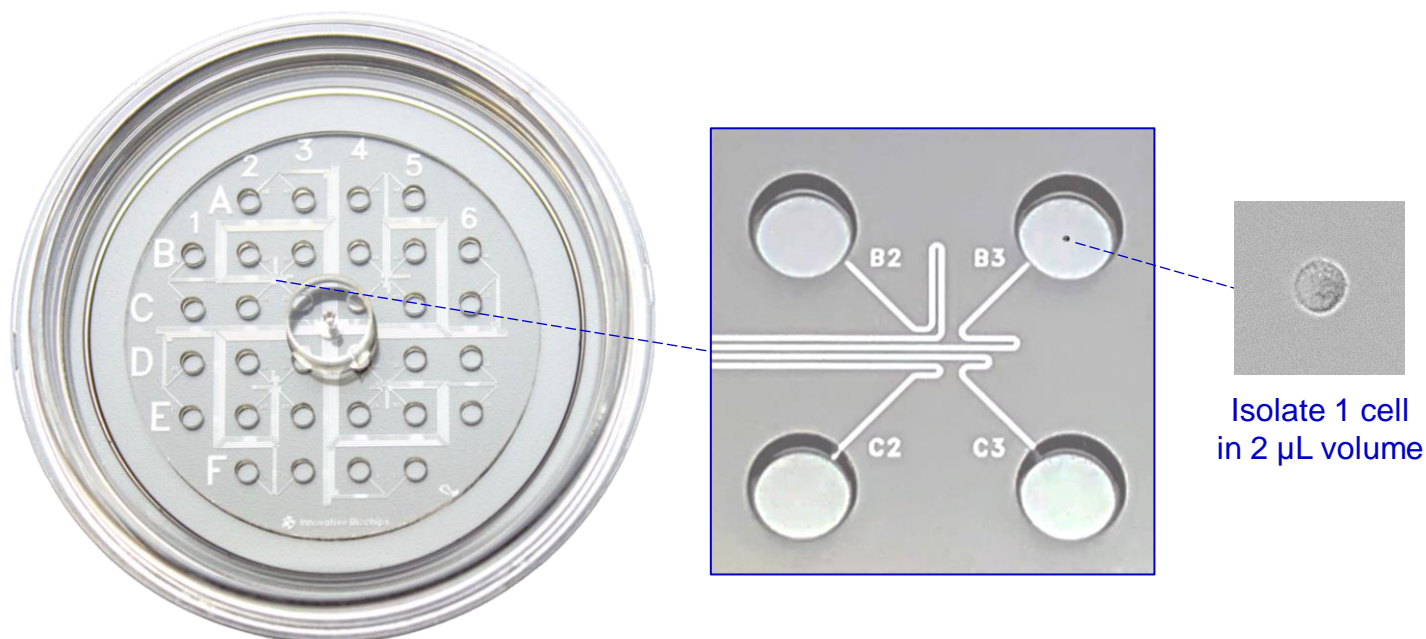


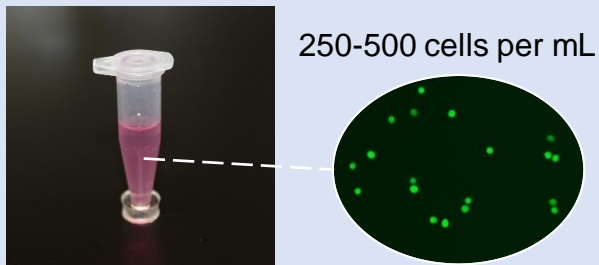
1 CellDish™-Glass Bottom Ultra-Low Volume Single-Cell Isolation & Imaging Petri Dish provides an easy and rapid method to isolate single cells into 2 μL volumes for high-resolution imaging at #1.5 coverslip such as confocal imaging.



Cat. No. H6-SGB-5PK

| Specifications | Description |
|--------------------------------|---|
| Format | 50 mm glass bottom dish with 40 mm #1.5 coverslip glass |
| Material | Polystyrene, glass, PDMS |
| Sterility | Sterile |
| No. of Wells | 32 wells |
| Well Volume | 2.5 μL per well |
| Well Bottom | #1.5 coverslip glass (~0.17 mm thickness) |
| Single-Cell Yield | ~ 10 per device |
| Single-Cell Isolation Volume | 2 μL |
| Single-Cell Isolation Pressure | <1 psi (traditional cell sorters: 20-70 psi) |
| Compatible Cell Size | $\leq 50 \mu\text{m}$ (diameter) |
| Cell Types Can Be Isolated | 1 cell type per device |

Initial Cell Suspension

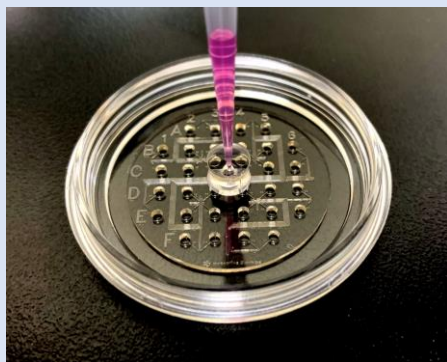


Final Cell Suspension: 1 Cell in 1 Tube

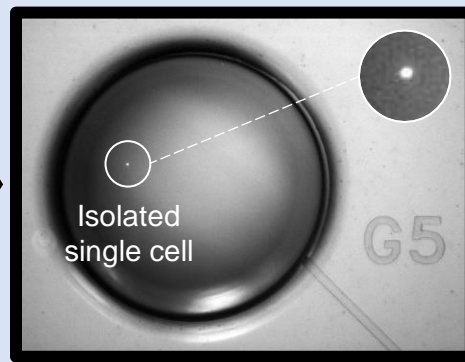


Single-Cell Isolation by 1CellDish™-60mm

1. Rapidly isolate ~ 10 single cells in 10 seconds



2. Conveniently identify single cells in 1.8-mm diameter of wells



3. Easily retrieve single cells in 2 μ L of suspensions



Features

- ✓ Compatible with cell diameter $\leq 50 \mu\text{m}$
- ✓ Compatible with cell numbers ≤ 100 cells
- ✓ 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
- ✓ #1.5 coverslip glass bottom for high-quality imaging
- ✓ No special equipment or operation skills are required

High-resolution single-cell imaging on #1.5 coverslip glass bottom ($\sim 0.17 \text{ mm}$ thickness)



Applications

- ✓ Single-Cell Isolation
- ✓ Single-Cell Multiomics
- ✓ Single-Cell PCR & Sequencing
- ✓ Single-Cell Imaging with DIC, TIRF, FRET, confocal microscopy, and widefield fluorescence