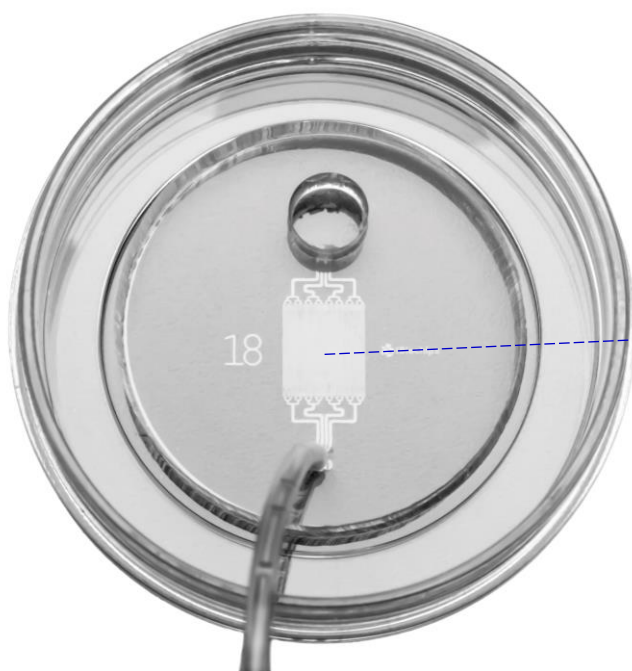
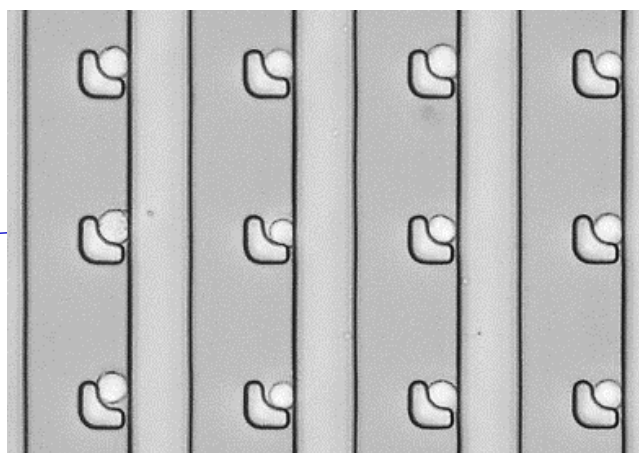


1CellArray-Glass Bottom High-Throughput Single-Cell Capture & Imaging Perfusion Dish provides an easy and rapid method to capture single cells for high-resolution imaging at #1.5 coverslip such as confocal imaging.



A trap array with captured single cells

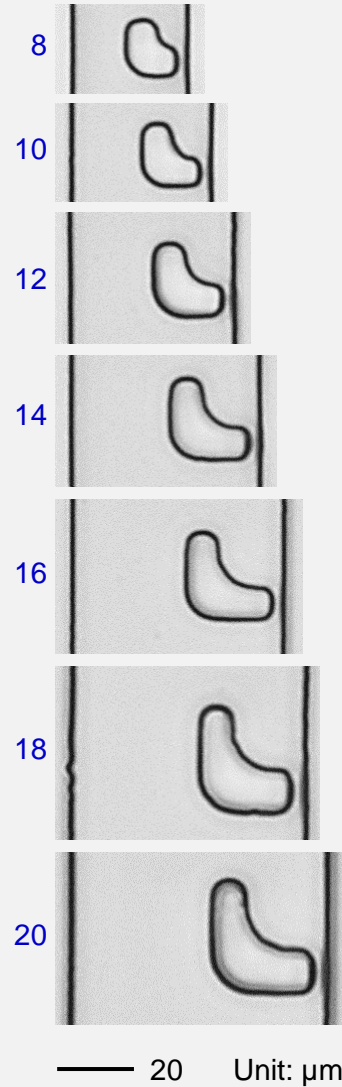


Cat. No. H5-GBD-5PK

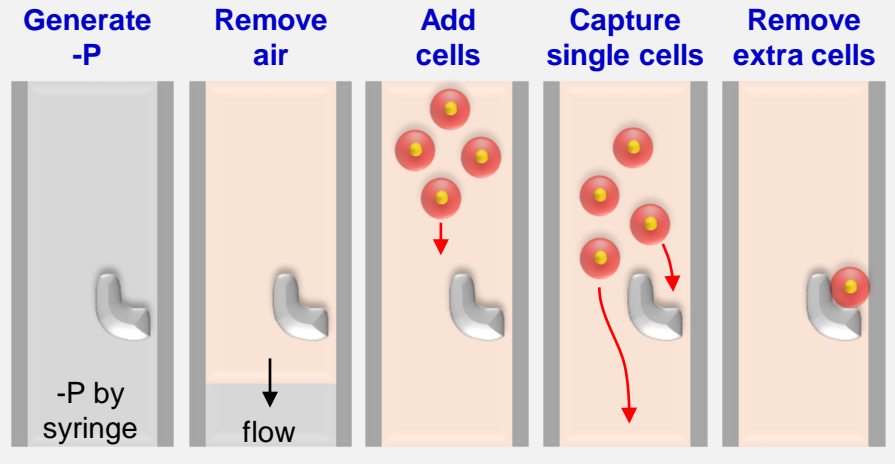
Specifications	Description
Format	35 mm glass bottom dish with 28 mm #1.5 coverslip glass
Material	Polystyrene, glass, PDMS
Sterility	Sterile
Inlet Well Volume	75 μ L
Traps Numbers	4,096 (64 x 64 array)
Trap Type	Microscale hook
Trap Bottom	#1.5 coverslip glass (~0.17 mm thickness)
Trap Size	8 μ m, 10 μ m, 12 μ m, 14 μ m, 16 μ m, 18 μ m, 20 μ m
Tubing Length	20 inch
Syringe for -P Generation	1 mL volume

Choose Hook

Various hook sizes

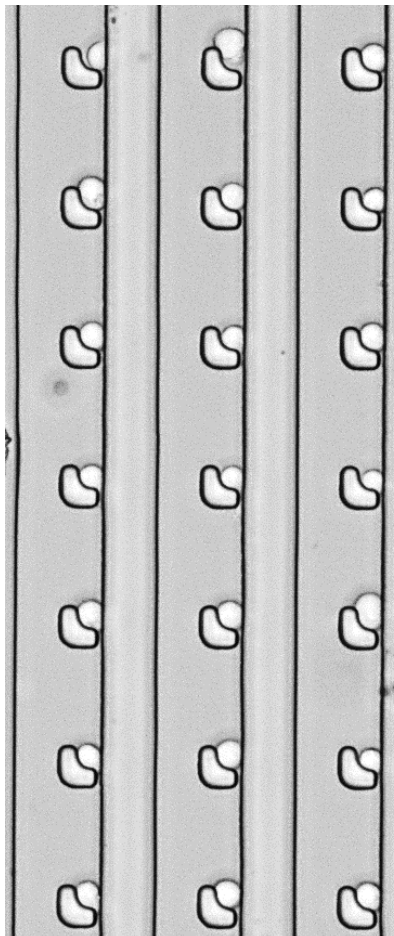


Workflow for Single-Cell Capture

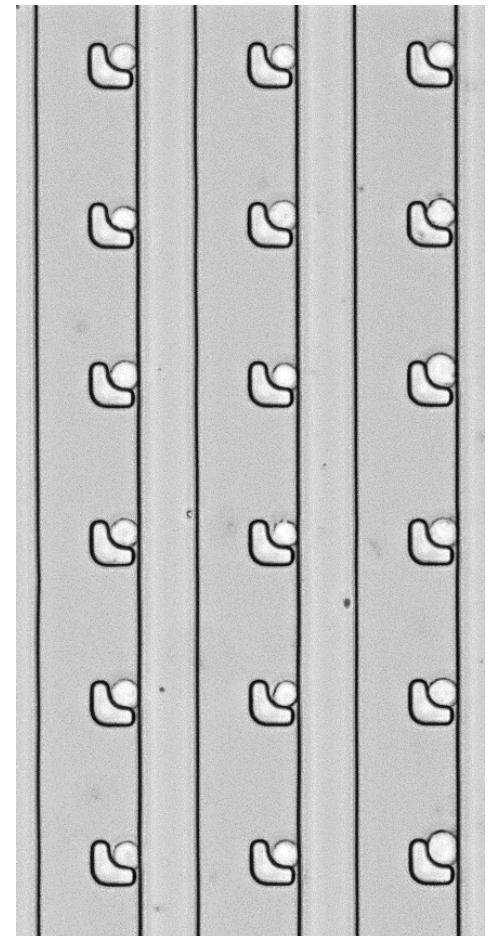


Capture Single THP-1 Cells

12 μm hook array



14 μm hook array



Applications

- ✓ Single-cell array
- ✓ Single-cell capture
- ✓ Single-cell trapping
- ✓ Single-cell perfusion
- ✓ Single-Cell Imaging with DIC, TIRF, FRET, confocal microscopy, and widefield fluorescence

Features

- ✓ Compatible with cell diameter 5-22 μm
- ✓ Easy operation by pipette in a sterile hood
- ✓ Efficient single-cell capture by optimized hooks
- ✓ #1.5 coverslip glass bottom for high-quality imaging
- ✓ No special equipment or operation skills are required

Reference: Kai Zhang, et al. "Block-Cell-Printing for live single-cell printing." *PNAS*, 2014 Feb 25;111(8):2948-53.