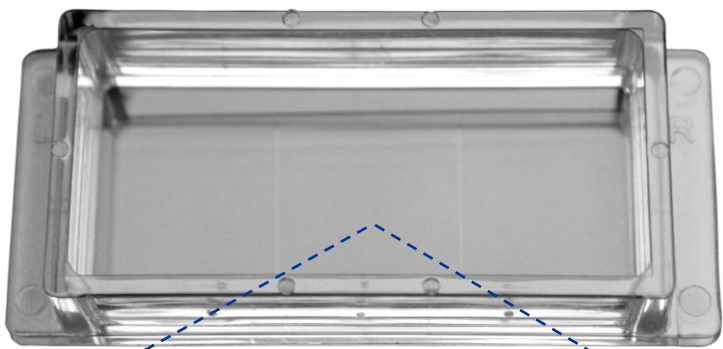
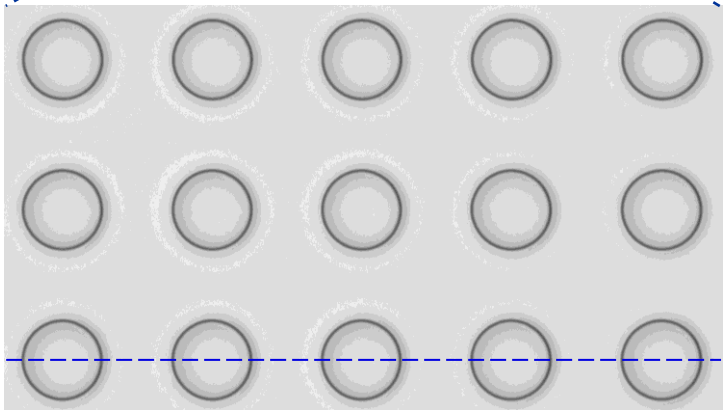


PicoWells In Chamber Slide provides an easy method to isolate single cells into 187,000 picoliter volume wells for high-quality single-cell imaging at a #1.5H coverslip and high-throughput single-cell RNA-Seq.

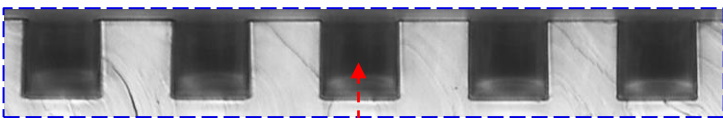
High-throughput and high-quality picoliter volume PDMS well array



H9-PCS-5PK



Microscope cross-section

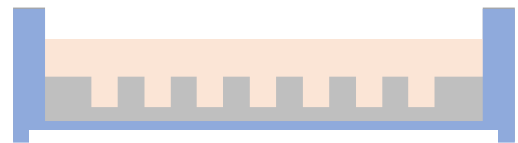


23 picoliter volume well

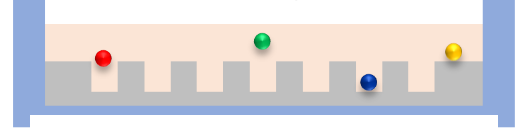
#1.5H glass coverslip bottom

Single-cell isolation, imaging & RNA-Seq

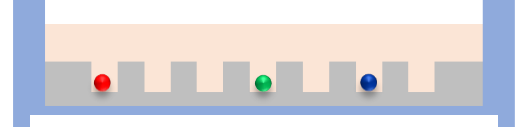
Add solution and remove bubble



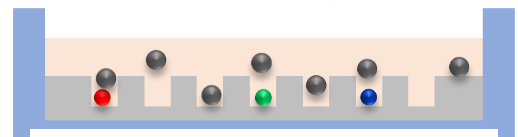
Capture single cells



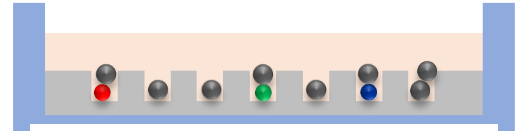
Wash away uncaptured cells



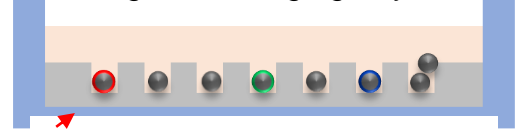
Capture barcoded magnetic beads



Wash away uncaptured beads



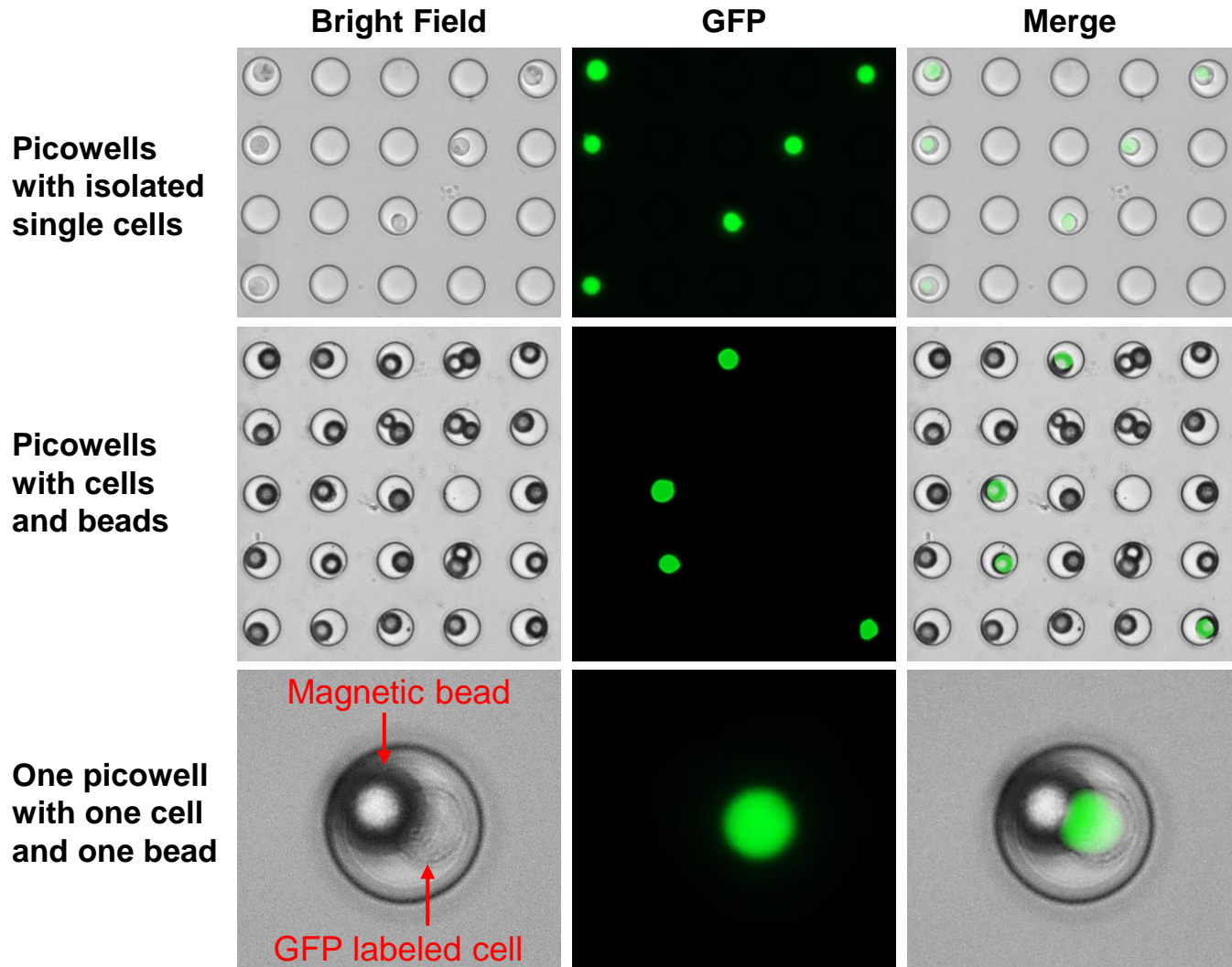
Single-cell imaging & lysis



- Bead retrieval
- RT, PCR & library
- Sequencing & analysis



Isolation and Imaging of Single Cells & Beads in Picowells



Specifications	Description
Format	Chamber Slide with lid
Chamber Slide Bottom	#1.5H glass coverslip
Thickness of Glass Coverslip	0.170 mm
Material of Picowell	PDMS (biocompatible polymer)
Thickness of PDMS	500 μ m
Diameter of Picowell	30 μ m
Depth of Picowell	30 μ m
Volume of Picowell	23 picoliter
No. of Picowell per Chamber Slide	187,000
Sterility	Sterile

[We also provide custom-made microwell- & micropillar-array devices with desired dimensions.](#)