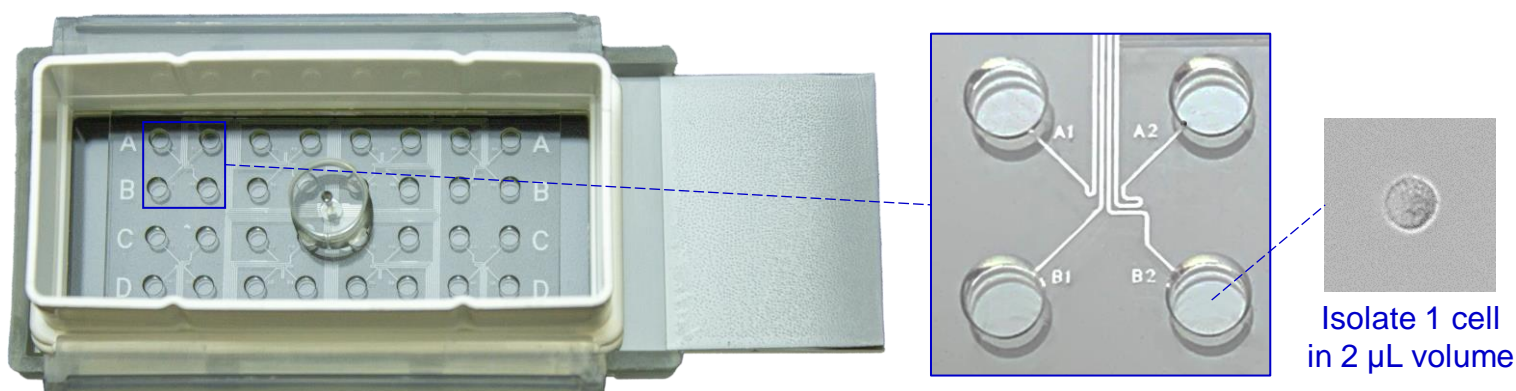


**1CellAssay-Chamber Slide** provides an easy method to isolate single cells into 2  $\mu\text{L}$  volumes on a glass bottom chamber slide, allowing fluorescent or microscopy analysis of living/fixed cells.



Cat. No. H7-SCS-5PK

Specifications	Description
Format	Standard microscope slide format (75 x 26 mm)
Material	Borosilicate glass, biocompatible PDMS, polypropylene frame
Sterility	Sterile
No. of Wells	32 wells
Well Volume	2.5 $\mu\text{L}$ per well
Well Bottom *	Borosilicate glass (1 mm thickness) *
Single-Cell Yield	~ 10/device
Single-Cell Isolation Volume	2 $\mu\text{L}$
Single-Cell Isolation Pressure	<1 psi (traditional cell sorters: 20-70 psi)
Compatible Cell Size	$\leq 50 \mu\text{m}$ (diameter)
Removable Polypropylene Frame	Yes
Removable PDMS Piece	Yes

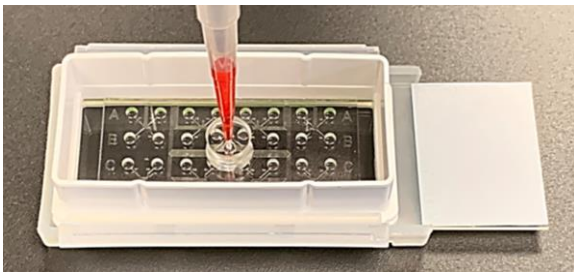
\* Coverslips or other types of glass and plastic microscope slides can be customized for specific applications.

# Easy Operations

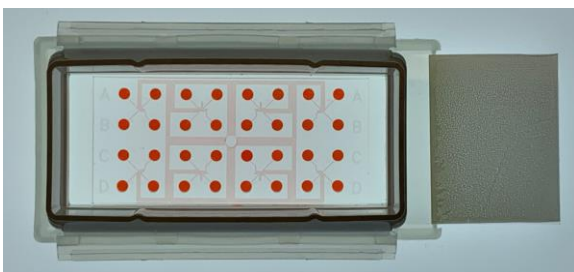
## 1CellAssay-Chamber Slide



## One-Step Pipette Loading

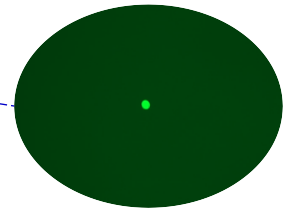
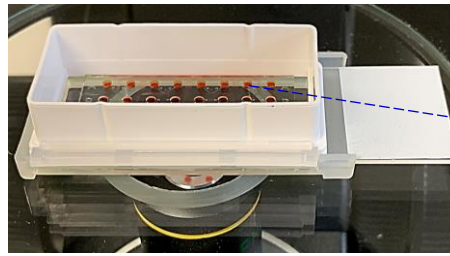


## Uniform Liquid Distribution

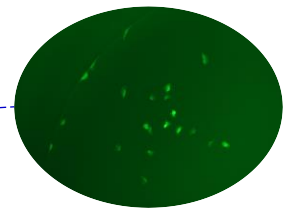
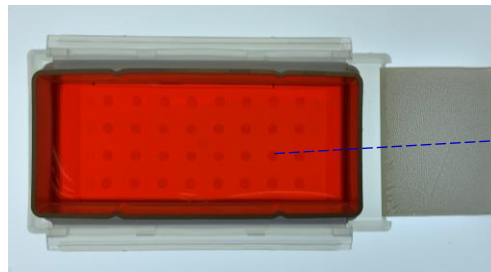


# Multiple Applications

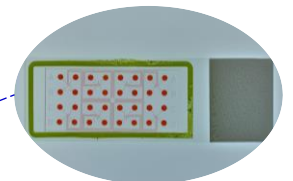
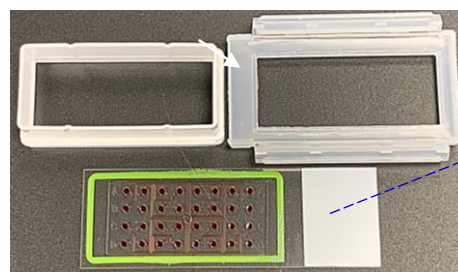
## 1. Microscopy Analysis of Living/Fixed Cells



## 2. Grow Cells Directly on Microscope Slide



## 3. Remove Chamber for Further Analysis



## Features

- ✓ Compatible with cell diameter  $\leq 50 \mu\text{m}$
- ✓ Compatible with cell numbers  $\leq 100$  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
- ✓ No special equipment or operation skills are required
- ✓ No cell transfer is needed prior to visualization/staining

## Applications

- ✓ Single-Cell Isolation and Assay
- ✓ Single-Cell Culture and Assay
- ✓ Fluorescent and Microscopy Analysis of Living or Fixed Cells