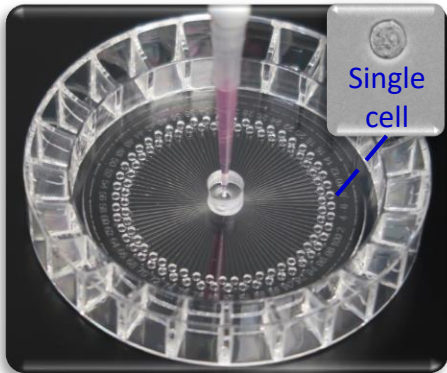
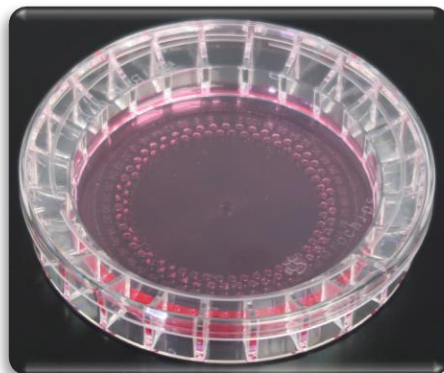


Smart Aliquotor greatly simplifies single-cell isolation for accelerating single-cell genetic and clonal analysis.



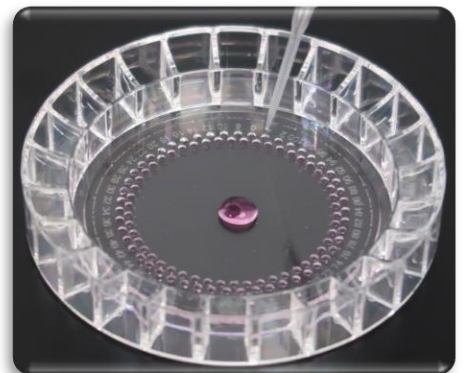
Single-Cell Isolation

- Easy to operate with high efficiency
- Excellent integrity for PCR and sequencing



Single-Cell Cloning

- High viability and high efficiency
- Easy to track whole cloning process



Target Cell Isolation

- From gene edited cells (i.e. CRISPR)
- From clinical samples (i.e. blood)

Specifications	Description
Material of Device	PS, PDMS
Size of Device	90 mm (Diameter), 15 mm (Height)
Number of Device	1PK; 5PK
Size of Well	1.8 mm (Diameter), 1 mm (Height)
Number of Well per Device	100
Working Volume per Well	1-2.5 μ L
Compatibility of Cell Size	< 50 μ m (Diameter)
Coating of Well Bottom	Tissue Culture Treated
Sterility	Sterile

Basic Features of Smart Aliquotor

Operation is very simple

Only a common pipette is needed and takes ~15 s for liquid loading.

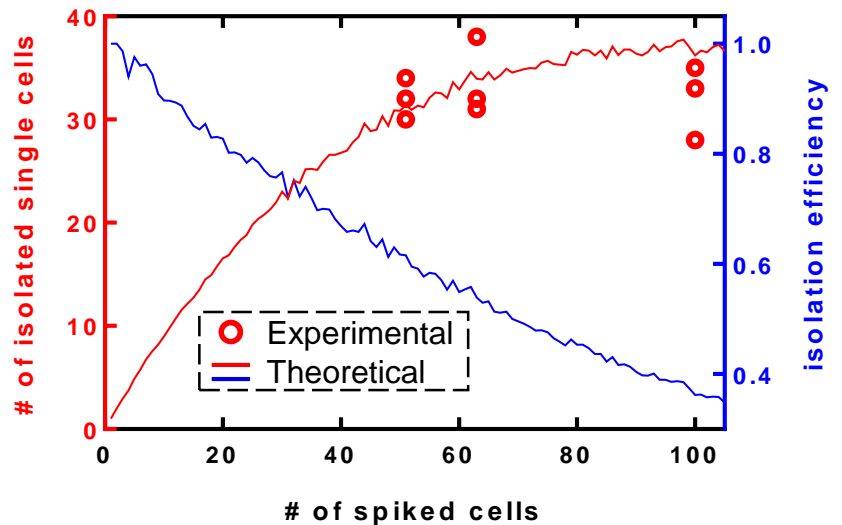
High yield and viability

One device yields ~30 single cells, which have high viability.

Identifiable and selectable

Each isolated single cell can be easily identified and retrieved.

Estimated Number of Isolated Single Cells per Smart Aliquotor



Comparison of Single-Cell Isolation Methods

Capability/ Specifics	Serial Dilution	Micro-manipulation	Flow Cytometry	Smart Aliquotor
Simplicity and time consumption	++	+	+	+++
Controllability in transfer volume	+	+++	+	+++
Compatibility in rare cell isolation	+++	+++	+	+++
Compatibility in cell size & shape	+++	+++	++	+++
Throughput	+	+	+++	++
Cell viability	+++	+++	+	+++
Cell selectivity	+	+	++	+++
Affordability	+++	++	+	+++

+++ Excellent, ++ Intermediate, + Poor