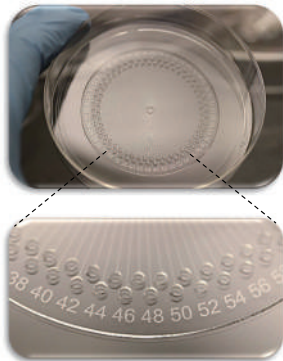
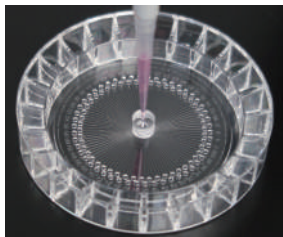


Single Cell isolation



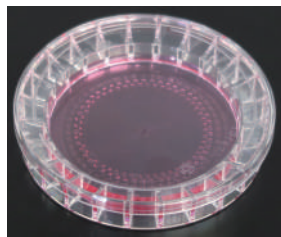
Smart Aliquotor
쉽다/ 빠르다/ 확실하다



Application1:

Single-Cell Isolation

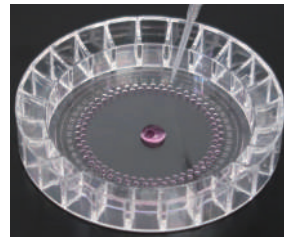
- Easy to operate with high efficiency
- Excellent integrity for PCR and sequencing



Application2:

Single-Cell Cloning

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



Application3:

Rare Cell Isolation

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

직접 확인하세요
네이버 QR

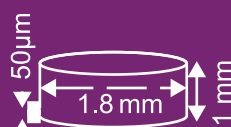
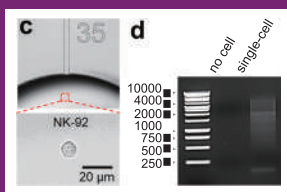


Operation 동영상 1

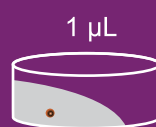


Operation 동영상 2

Application4: Single-Cell PCR



single-cell isolation
and identification



in situ lysis of
identified single cell



transfer of lysate
into PCR tube



cDNA synthesis
and amplification

Smart Aliquotor

Operation is very simple

Only a common pipette is needed for use and takes about 15 seconds

Excellent cell compatibility

It is compatible with isolation of cells that have diameters less than 50 μ m.

High yield and viability

One Smart Aliquotor yields about 30 single cells, Which have high viability.

Identifiable and selectable

Each single can be easily identified and then selected.

Features

Operation

by common pipettes

Cell size

$\leq 50\mu$ m in diameter

Cloning

in-situ clonal generation

Single-cell yield

~30 cells per device

Identification

1 well per second

Time in aliquoting

~15 seconds

Required cell numbers

≥ 2 cells

Minimum aliquot volume

50nL

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	+++	+++	+	+++



주소 : (05854) 서울특별시 송파구 송파대로 201 테라타워2 A동 1113호 (문정동 642번지)
전화 : 02-881-5432 | FAX : 02-881-5454 | FAX : 031-696-5901 (업체/대리점 전용)