

# Stencell

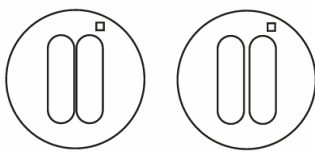
Miniature cell culture chambers

**Stencell** are ready-to-use silicon chambers that you can easily stick and remove from culture plates to create controlled cell culture areas.



## Applications

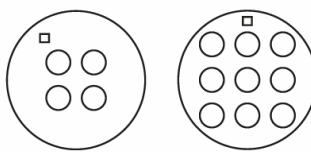
### Cell migration and wound healing



Presto

Allegro

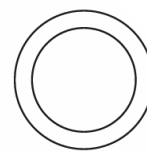
### Parallelized experiments



Quartet

Nonet

### Confined experiments



Solo

## Key features

#### ✓ Versatile

Stencells have been successfully used on a variety of culture labware including glass & plastic substrates, transwell inserts & polyacrylamide gels

#### ✓ Parallelized and standardized experiments

One multiwell Stencell allows for up to 9 experimental conditions

#### ✓ Easy removal

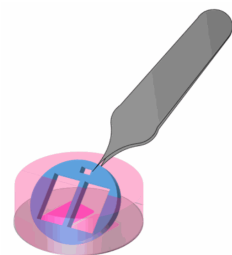
Stencells are not glued and can be easily removed to trigger cell migration or switch from flow chamber to an open configuration

#### ✓ Compatible with imaging

These thin sheets of silicone are fully transparent and do not produce any autofluorescence

#### ✓ Saves samples and reagents

A few microliters only are required



## Results

### Using Stencell for migration assays

COS-7 cells were seeded on a Stencell Presto sheet and imaged right after its removal (left), or 18h later after colonizing the gap (right). Images were acquired on an inverted microscope using a 20X objective.

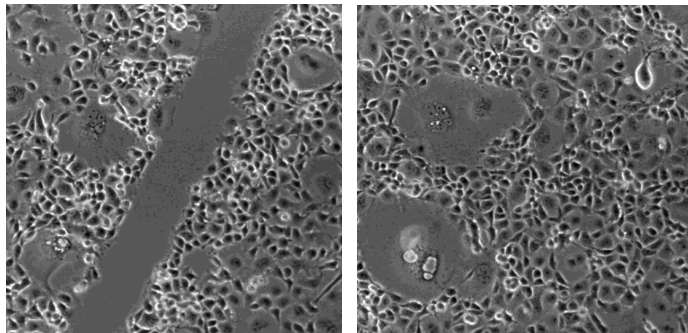


Image credit: Pierre-Olivier Strale

### Using Stencell for COS-7 cell confinement

Staining: actin (green), nucleus (blue - left / red - right).

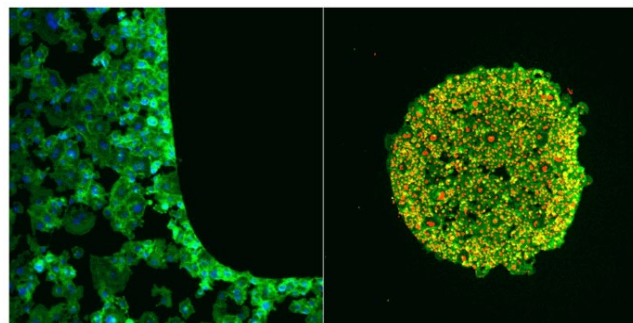


Image credit: Pierre-Olivier Strale

