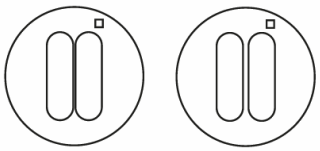
Stencell

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.

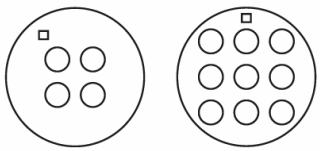
Applications

Cell migration and wound healing



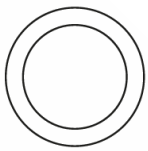
Presto *Allegro*

Parallelized experiments



Quartet *Nonet*

Confined experiments



Solo

Key features

✓ **Versatile**

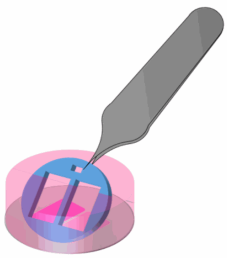
Stencells have been successfully used on a variety of culture labware including glass & plastic substrates, transwell inserts & polyacrylamide gels

✓ **Easy removal**

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

✓ **Saves samples and reagents**

A few microliters only are required



✓ **Parallelized and standardized experiments**

One multiwell Stencell allows for up to 9 experimental conditions

✓ **Compatible with imaging**

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

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.

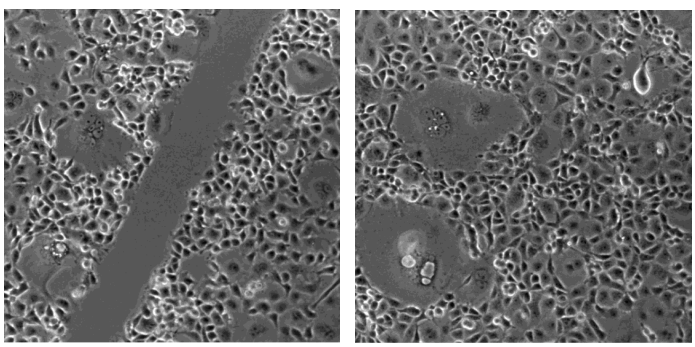


Image credit: Pierre-Olivier Strale

Using *Stencell* for COS-7 cell confinement

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

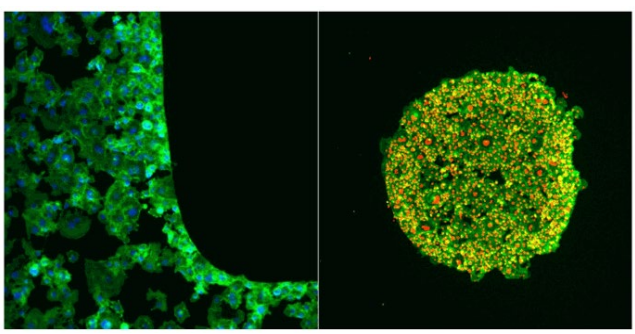


Image credit: Pierre-Olivier Strale

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