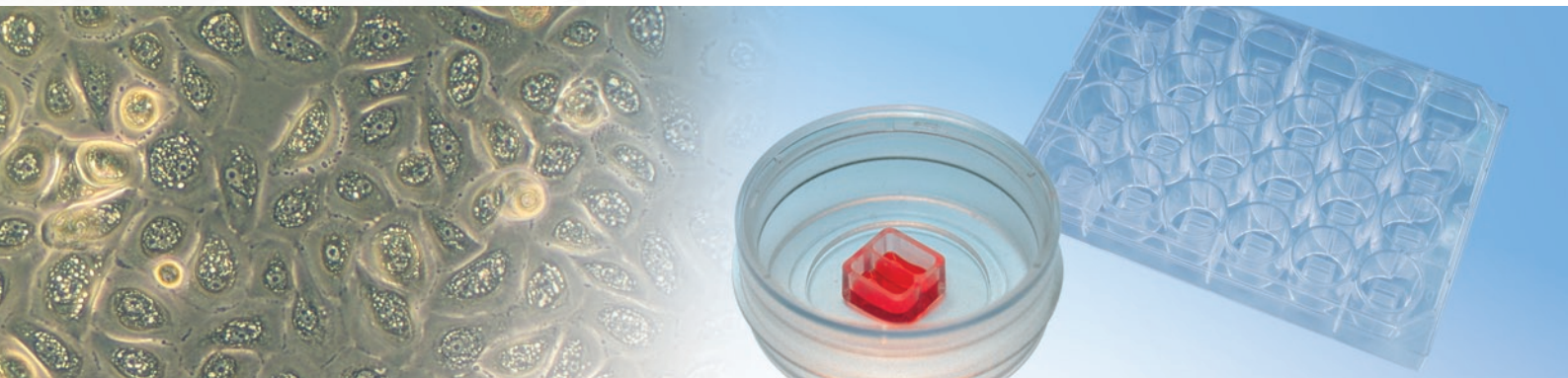


Wound Healing & Invasion

Culture-Inserts for Wound Healing and 2D Invasion Assays



✓ Broad Range of Applications

- Wound healing assays
- Migration assays
- 2D Invasion assays
- Co-Cultivation

✓ Reproducible

Defined 500 μm cell free gap; No leaking during cultivation; No remains after removal

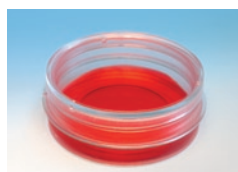
✓ Excellent Cell Growth

Ideal cell growth on ibiTreat surface

✓ Complete Solution for Wound Healing

Only a few steps from sample preparation to image analysis

Additional equipment for researchers working with Culture-Inserts:



μ -Dish^{35mm, high}



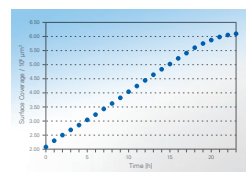
μ -Slide 8 well



ibidi Heating stages



LifeAct



ibidi.com/imageanalysis

Microscopy

Video Microscopy

Actin Visualization

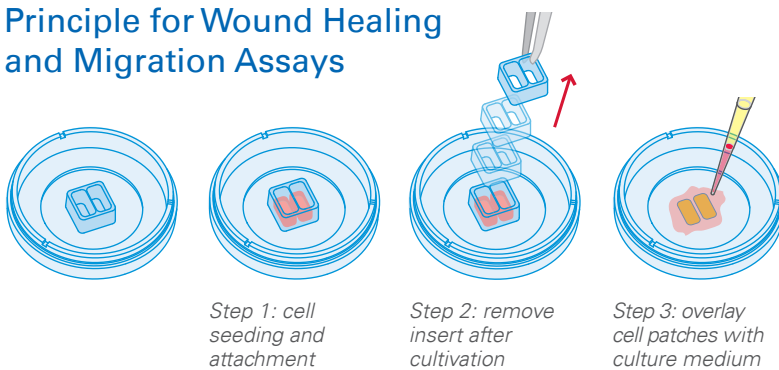
Image Analysis

Wound Healing & Invasion

Culture-Inserts for Wound Healing and 2D Invasion Assays

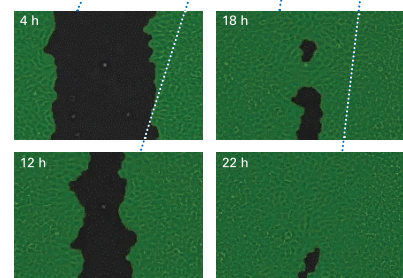
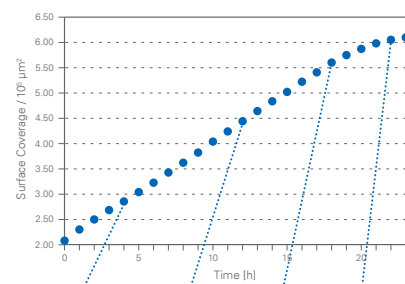
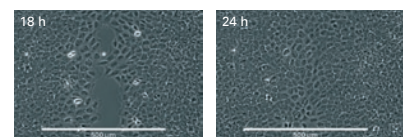
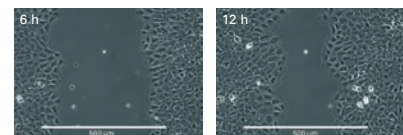
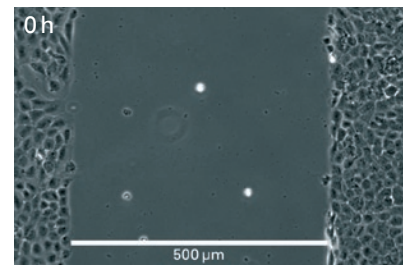
Wound healing and 2D invasion assays are used for screening pharmaceutical substances. When analyzing cell migration behaviour, in such experiments, cellular response is investigated on a molecular level. Studying, for example, the invasion of tumor cells in a fibroblast culture requires a 2D invasion assay. The key technique for all of these applications is microscopy.

Principle for Wound Healing and Migration Assays



Placed on a cell culture surface, the Culture-Insert provides two cell culture reservoirs, each separated by a 500 µm wall. Culturing cells in both reservoirs, and removing the silicon insert, result in two, well-defined cell patches that are separated by a zone of exactly the same width as the separation wall. The ibiTreat surface provides excellent cell growth in the non-covered areas.

For Wound Healing assays, ibidi offers a complete solution – from sample preparation to image analysis. Based on image data acquired with video microscopy, the assay – specific image analysis solution generates quantitative analysis data and charts – fast, easy, and inexpensive.



FREE SAMPLES: www.ibidi.com/freesamples

Image analysis on ibidi.com/imageanalysis

Technical Details:

Number of wells	2
Outer dimensions (w x l x h) in mm	9 x 9 x 5
Recommended filling volume per well	70 µl
Growth area per well	0.22 cm ²
Width of cell-free gap	500 µm +/- 50 µm

Catalog Numbers:

µ-Dish ^{35 mm, low} Culture-Inserts, ibiTreat, tissue culture treated, sterile	30 pcs.	80206
µ-Dish ^{35 mm, low} Culture-Inserts, hydrophobic, uncoated, sterile	30 pcs.	80201
µ-Dish ^{35 mm, high} Culture-Inserts, ibiTreat, tissue culture treated, sterile	30 pcs.	81176
µ-Dish ^{35 mm, high} Culture-Inserts, hydrophobic, uncoated, sterile	30 pcs.	81171
24 well plate with 24 Culture-Inserts, tissue culture treated, polystyrene, sterile	3 pcs.	80241
25 Culture-Inserts for self-insertion, sterile	1 pc.	80209