



Wound Healing & Invasion

A Cell-Based Migration Assay
Using ibidi's Culture-Inserts

✓ Reproducible Experiments

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

✓ Excellent Cell Growth

Ideal cell growth on ibiTreat surface

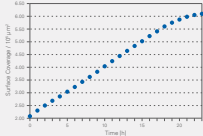
✓ Complete Solution for Wound Healing and Migration

Only a few steps from sample preparation to image analysis

Broad Range of Applications

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

Additional equipment for researchers working with Culture-Inserts:

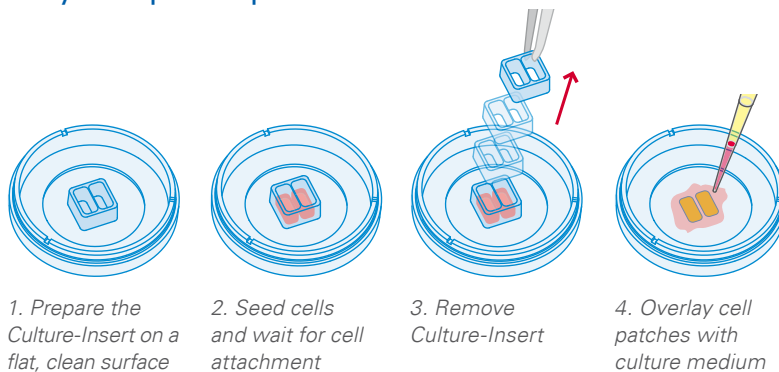
 μ-Dish 35 mm, high	 ibidi Heating & Incubation System	 μ-Slide 2 4 8 well	 LifeAct	 WimScratch
Live Cell Imaging			Actin Visualization	Image Analysis

Wound Healing & Invasion

A Cell-Based Migration Assay Using ibidi's Culture-Inserts

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.

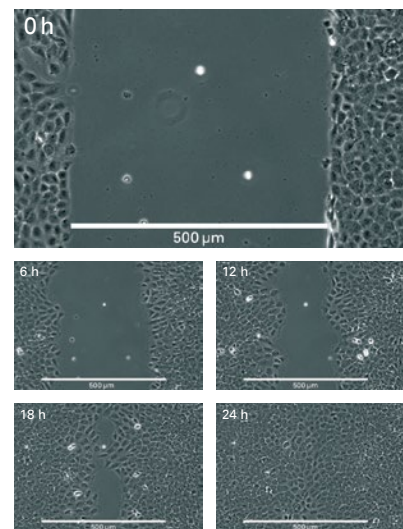
Easy Sample Preparation



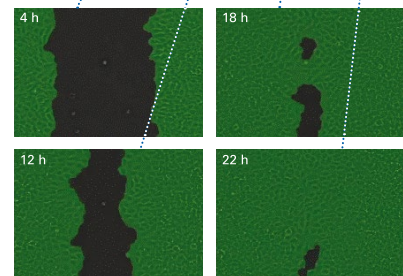
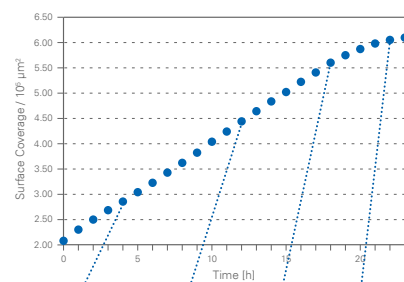
Placed on a cell culture surface, the Culture-Insert provides two cell culture reservoirs, each separated by a 500 µm wall. Culturing cells in both reservoirs, and removing the silicon insert, result in two, well-defined cell patches that are separated by a zone of exactly the same width as the separation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

Easy Data Analysis

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 WimScratch generates quantitative analysis data and charts – fast, easy, and inexpensive.



Video microscopy of closing gap in a Culture-Insert



Quantitative image analysis using WimScratch

FREE SAMPLES: www.ibidi.com/free-samples

Technical Details:

Number of wells	2
Outer dimensions (w x l x h) in mm	8.4 x 8.4 x 5
Recommended filling volume per well	70 µl
Growth area per well	0.22 cm ²
Coating area per well:	0.82 cm ²
Width of cell-free gap	500 µm +/- 50 µm

Ordering Information:

Cat.No.	Description	Pcs./Box
80206	Culture-Insert in µ-Dish ^{35 mm} , low ibiTreat: ready to use, tissue culture treated, sterilized	30
81176	Culture-Insert in µ-Dish ^{35 mm} , high ibiTreat: ready to use, tissue culture treated, sterilized	30
80241	Culture-Insert 24 ibiTreat: a µ-Plate 24 Well with ready to use Culture-Inserts, tissue culture treated, sterilized	3
80209	25 Culture-Inserts for self-insertion: in a 10 cm transport dish, sterilized	1
30002	WimScratch Quantitative Wound Healing Image Analysis	