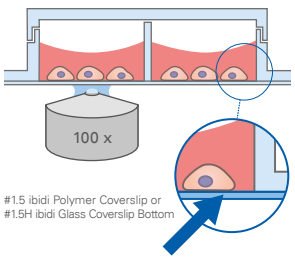
cells in focus ibidi®

Choosing the Best Microscopy Labware

The right labware is essential for cell health, high imaging quality, and experimental reproducibility. Therefore, the material, surface, and format are crucial parameters for successful cell assays and microscopy.

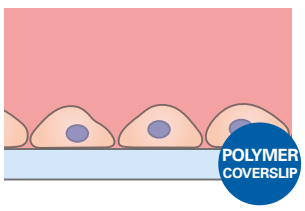
Coverslip Bottom: Imaging Quality



All ibidi µ-Labware products feature a thin Polymer or Glass Coverslip bottom, designed for cell culture with a specific focus on microscopy, offering exceptional image quality and cell adhesion.

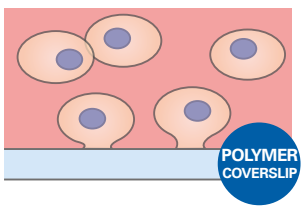
	#1.5 ibidi Polymer Coverslip (POLYMER COVERSLIP #1.5)	#1.5H ibidi Glass Coverslip (GLASS COVERSLIP #1.5H)	#1.5 Glass Coverslip (GLASS COVERSLIP #1.5)	Standard Polystyrene Plates & Dishes
Bottom material				
Bottom thickness	180 µm (+10/-5 µm)	170 µm (+/-5 µm)	170 µm (+20/-10 µm)	500-1000 µm
Autofluorescence	No	No	No	High
Transmission	>285 nm (T>80%) 240–265 nm (T>50%)	>325 nm (T>80%)	>325 nm (T>80%)	>300 nm (T>80%)
Refractive index	1.52	1.52	1.52	1.58
Gas permeability	Yes	No	No	Yes
Optimized for	Cell adhesion and high-resolution microscopy	Super-/high-resolution and TIRF microscopy	High-resolution microscopy	Cell cultivation

Surface: Optimized for Your Experiment



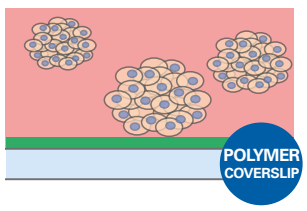
ibiTreat (Tissue Culture-Treated)

Excellent adhesion of adherent cells



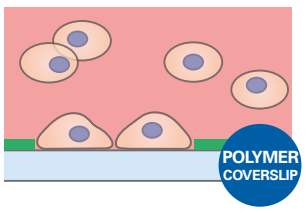
Hydrophobic, Uncoated Surface

Weak adhesion of adherent cells



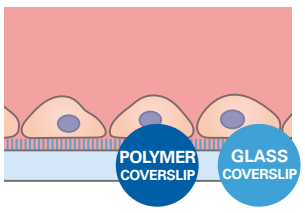
Bioinert Surface

No adhesion of adherent cells



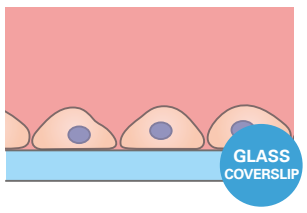
µ-Patterned Surface

Spatially defined adhesion of adherent cells on spots, different spot geometries available



Coated Surface

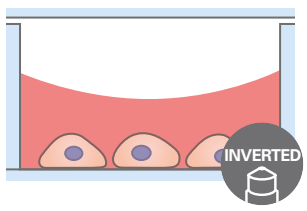
Culture of adherent cells on a protein/peptide coating



Glass Surface

For direct cell adhesion or coatings

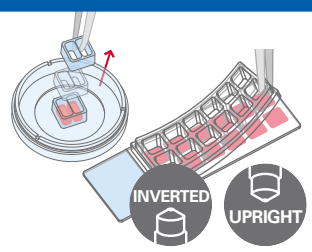
Format: Well Size, Geometry, and Throughput



Open-Well Labware

- Formats for every lab
- Scaleable: from 1 well to 384 wells

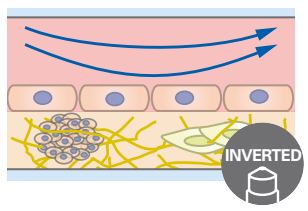
Chambered Coverslips, Dishes, Multiwell Plates



Removables

- Adhesive on any flat and dry surface
- Highly flexible and biocompatible

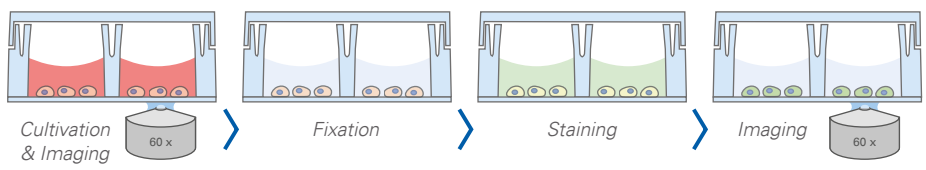
Culture Inserts, Removable Chambers



Channel Slides

- Low volume applications
- No meniscus

Channel Slides for wall shear stress or long-term perfusion



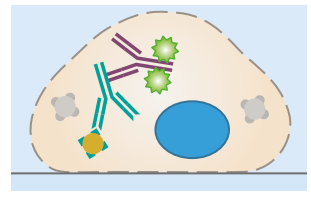
All-in-One Labware

Cell cultivation, microscopy, and staining in one labware item

Assay Design: Labware Solutions for Live Cell Imaging and Fluorescence Microscopy

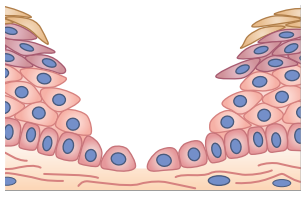
Immunofluorescence

µ-Plate 6 Well
µ-Slide 8 Well high



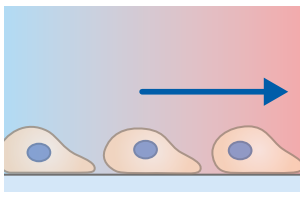
Migration

Culture-Insert 2 Well 24
Culture-Insert 2 Well



Chemotaxis

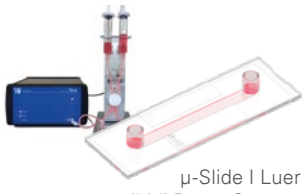
µ-Slide III 3in1
µ-Slide Chemotaxis



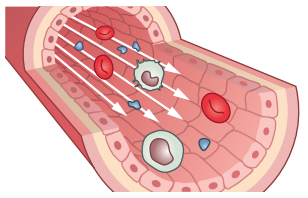
Angiogenesis

µ-Plate 96 Well 3D
µ-Slide 15 Well 3D

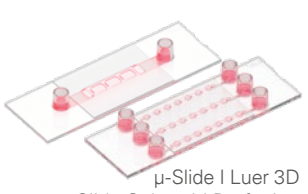
Flow



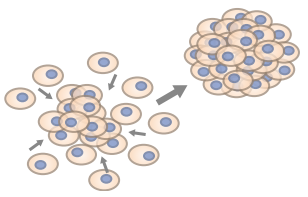
µ-Slide I Luer
ibidi Pump System

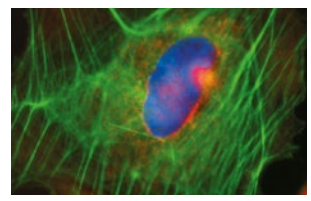


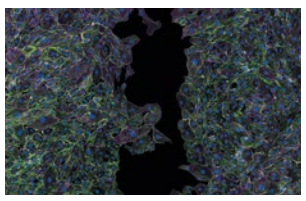
3D Cell Culture

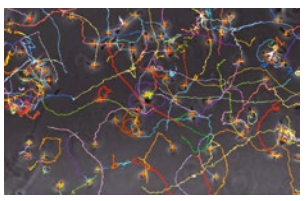


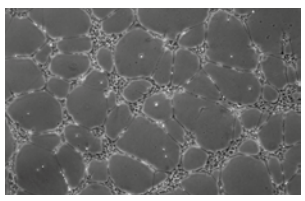
µ-Slide I Luer 3D
µ-Slide Spheroid Perfusion

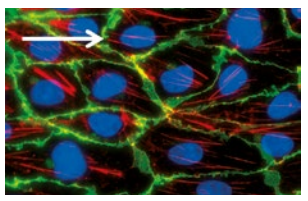


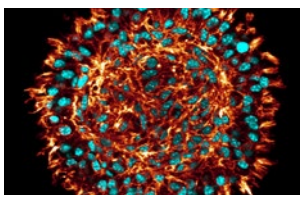












Exemplary cell image "Migration": D. Sung, University of Pennsylvania School of Medicine, USA
Exemplary cell image "3D Cell Culture": J. Hofmann and S.J. Keppler, Technical University Munich, Germany

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