Top Sellers


µ-Slide 8 Well high

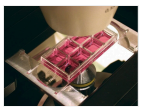

µ-Slide I Luer


µ-Plate 96 Well Roun


µ-Slide 8 Well high Glass Botto


µ-Dish 35 mm, high

µ-Slide 8 Well



Improved Version Available:

The **µ-Slide 8 Well high** comes with extra high individual walls to keep cross contamination between wells as low as possible.

Citations (4603) User Comments (12) MADE IN GERMANY

A chambered coverslip with 8 wells for cell culture, immunofluorescence, and high-end microscopy

All-in-one 8 well chamber slide for cost-effective experiments—small number of cells and low volume of reagents needed

In this microscopy slide, the cells are imaged on a No. 1.5 polymer coverslip bottom with the highest optical quality

A cell culture chamber suitable for most microscopy techniques

Surface Modification

Uncoated | ibiTreat | Collagen IV

Poly-L-Lysine | Collagen I

Pcs./Box

15 (individually packed) | 90 (individually packed) | 120 (15 trays with 8 pieces each)

Your Selection:

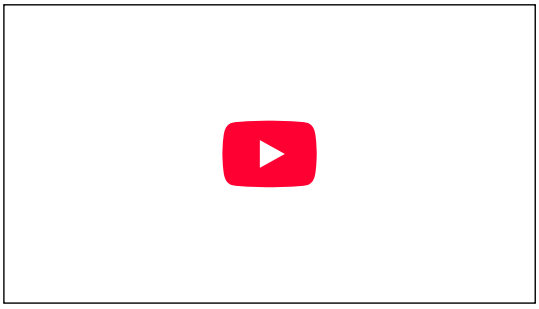
Surface Modification: ibiTreat: #1.5 polymer coverslip, tissue culture-treated, sterilized
Pcs./Box: 15 (individually packed)

Cat.No: 80826

ORDER NOW

Applications

- Cultivation and high-resolution microscopy of cells
- Fluorescence microscopy of living and fixed cells
- Immunofluorescence staining
- Live cell imaging over extended time periods
- Transfection assays
- Various microscopic techniques (e.g., widefield fluorescence, confocal microscopy, two-photon microscopy, FRAP, FRET, FLIM, or LSFM)
- Differential interference contrast (DIC) when using a DIC lid



Want to know if you should use a glass or a polymer bottom for your application?
Visit our **Surface Material Guide**.

Specifications

Geometry of µ-Slide 8 Well

Outer dimensions (w x l)	25.5 x 75.5 mm²
Number of wells	8

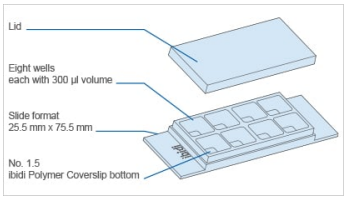
Template

Dimensions of wells (w x l x h)	9.4 x 10.7 x 6.8 mm^3
Volume per well	300 µl
Total height with/without lid	8.3/7.0 mm
Growth area per well	1.0 cm^2
Coating area per well	2.20 cm^2
Bottom: ibidi Polymer Coverslip	

Define and print your experimental setup

Technical Features

- Chambered coverslip with 8 independent wells and a non-removable polymer coverslip-bottom
- Now also available as a µ-Slide 8 Well ^{high} with extra high individual walls to keep cross contamination between wells as low as possible
- ibiTreat (tissue culture-treated) surface for optimal cell adhesion
- Imaging chamber slide with excellent optical quality for high-end microscopy
- Compatible with staining and fixation solutions
- Biocompatible plastic material—no glue, no leaking
- Available as a Bulk Box with 90 individually packed µ-Slides per box or with 120 µ-Slides (15 trays with 8 pieces each)
- Also available as an adhesive version without a bottom: sticky-Slide 8 Well
- Also available with a Glass Coverslip Bottom: µ-Slide 8 Well Glass Bottom for special microscopic applications
- Additional version available with a 500 µm grid: µ-Slide 8 Well Grid-500

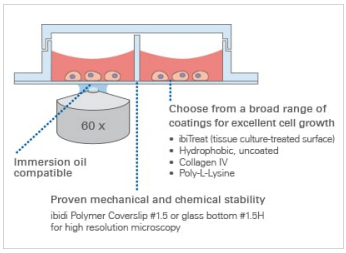


The Principle of the µ-Slide 8 Well

The Coverslip Bottom

The µ-Slide 8 Well comes with a thin ibidi Polymer Coverslip Bottom that has the highest optical quality (comparable to glass) and is ideally suitable for high-resolution microscopy. It is also available as a

sticky version without any bottom, or and as an option with a Glass Coverslip Bottom for special microscopic applications.



Explore technical details and information about the **coverslip bottom**.

The ibiTreat Surface

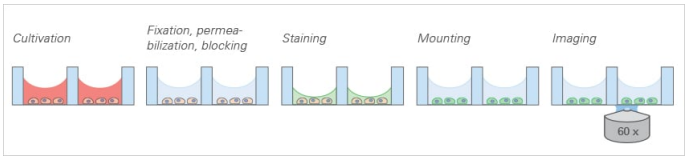
ibiTreat (tissue culture-treated) is our most recommended surface modification, because almost all adherent cells grow well on it without the need for any additional coating.

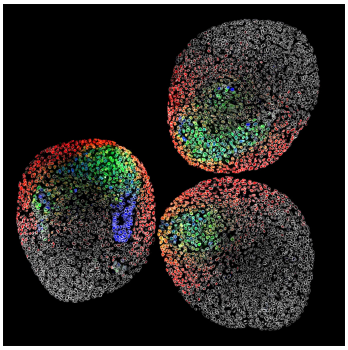
Learn about the various **ibidi surfaces**.

Application Examples

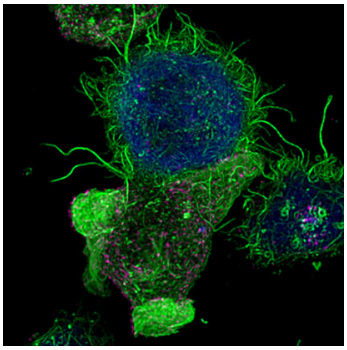
Immunofluorescence

The ibidi µ-Slide 8 Well allows for standard immunofluorescence protocols to be employed without the use of coverslips in an all-in-one chamber. All steps (e.g., cell cultivation, fixation, staining, and imaging) are carried out in the open well geometry. After staining, the sample can be observed through the coverslip bottom using high-resolution microscopy.



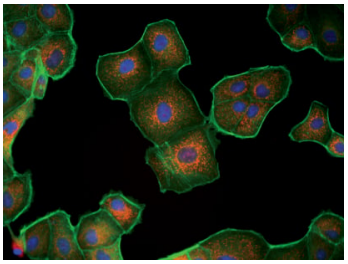


Gastruloids, which are 3D aggregates of murine embryonic stem cells, just before axis extension. They were imaged on a µ-Slide 8 Well and stained for Sox2 (blue), Brachyury (green), Tbx6 (red), and LaminB1 (gray), highlighting the spatial arrangement and differentiation order of these transcription factors in neuromesodermal progenitors (NMPs).



Confocal image of a Jurkat T lymphocyte (bottom) forming an immunological synapse with an antigen-presenting cell (top, blue). Filamentous actin is visualized in green. Multivesicular bodies in magenta. Cells were imaged on a µ-Slide 8 Well. Image by Manuel Izquierdo, IIBM, CSIC, Madrid, Spain.

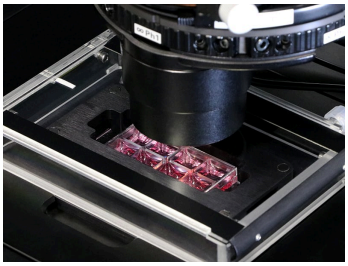
The gastruloids were mounted in BABB and imaged on a Leica Sp8 confocal microscope with a 40x oil objective using the Leica LIGHTNING system. Image by Matthew French, University of Edinburgh, Edinburgh, United Kingdom.



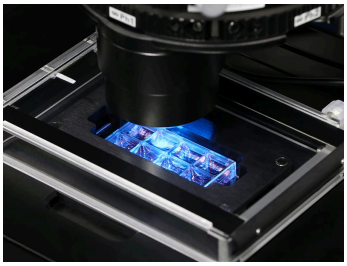
Fluorescence microscopy of MDCK cells. Mitochondria (MitoTracker, red), Actin cytoskeleton (Phalloidin, green), nuclei (DAPI, blue).

Live Cell Imaging

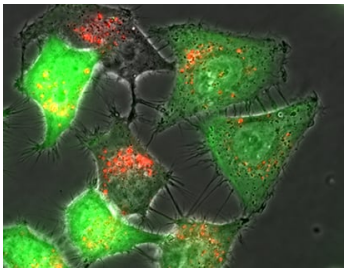
The µ-Slide 8 Well enables high-resolution live cell imaging using different brightfield and fluorescence techniques. Here, live cell microscopy was performed using the µ-Slide 8 Well in the ibidi Heating System, Universal Fit, for 1 Chamber on a Nikon Eclipse TIE inverted microscope.



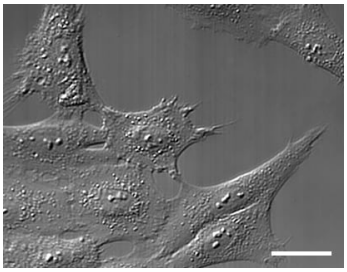
Live cell imaging in a µ-Slide 8 Well using transmitted light.



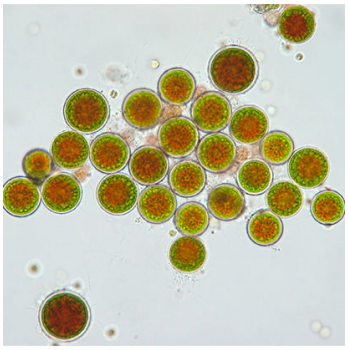
Live cell imaging in a µ-Slide 8 Well using fluorescence.



Live cell imaging on an inverted widefield fluorescence microscope. Rat fibroblast cells 24 hours after transfection with pCMV-eGFP. Red: Rhodamine-labelled fluorescent lipoplexes, Green: eGFP fluorescence. 60x objective lens.



Differential interference contrast (DIC) microscopy of mammalian cell culture (fibroblasts) using the µ-Slide 8 Well and the DIC lid for µ-Slides. 63x objective lens.



Brightfield microscopy of the green freshwater algae Haematococcus pluvialis in a µ-Slide 8 Well. The cells are in an immature cyst state with developing centers, filled with the strong antioxidant astaxanthin (red), and surrounded by Chlorophyll from the chloroplasts (green). 40x objective lens.