

## ibidi $\mu$ -Dishes, $\mu$ -Slides, and $\mu$ -Plates

For Scientists Who Care  
About Their Image

### ✓ Superb Optics in High Resolution Microscopy

- ibidi Polymer Coverslip is ideal for immunofluorescence and high-end microscopy
- ibidi Glass Bottom is suitable for use in TIRF and single molecule applications

### ✓ Excellent Cell Compatibility

- Optimal cell growth on the ibidi Polymer Coverslip
- ibidi Glass Bottom is suitable for direct cell cultivation – adding coating to promote cell attachment may be required

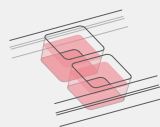
### ✓ Smart Features for Various Applications

- Open-well formats for use in classic applications
- Channel slides with excellent phase contrast and homogeneous cell distribution
- Various geometries for specialized applications, such as angiogenesis, chemotaxis, and cell migration

#### Applications:

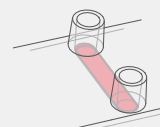
- High resolution and confocal microscopy
- Immunofluorescence staining
- Live cell imaging
- Transfection

#### Chamber Geometry



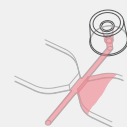
##### Open-Well Format

- Common formats
- Easy handling
- Large volume



##### Channel Format

- Excellent imaging
- Homogeneous cell distribution
- Low volume



##### Specialized Geometry

- Designed for specific uses (e.g., gradients or gel matrices)

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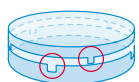
See how the ibidi Polymer Coverslip compares with glass:

Property	ibidi Polymer Coverslip	Glass
Refractive index ( $n_D$ 589 nm)	1.52	1.52
Abbe number	56	55
Thickness	#1.5 (180 $\mu$ m)	#1.5H (170 $\mu$ m)
Material	Microscopy plastic	D 263M Schott borosilicate glass
Autofluorescence	Low	Low
Transmission	Very High (even ultraviolet)	High (ultraviolet restrictions)
Birefringence (DIC)	Low (DIC compatible*)	Low (DIC compatible*)
Surface modifications	ibiTreat – tissue culture treated Uncoated – hydrophobic	Only glass
Protein coatings	Compatible	Compatible
Gas permeable	Yes	No
Material flexibility	High	Low
Breakable	No	Yes
Applications	Fluorescence microscopy	TIRF and single photon

\* DIC Lids are available separately

## Lid with a Locked Position on ibidi $\mu$ -Dishes

The special locking feature on all ibidi  $\mu$ -Dishes enables the user to minimize evaporation. Gas exchange (e.g., carbon dioxide and oxygen) during cell culture is effectively maintained because the plastic material of the dish is gas permeable.



**Open position.**  
Easy opening.



**Closed position.**  
For cell cultivation.  
Minimal evaporation.



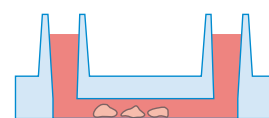
**Locked position.**  
For long-term studies.  
Almost no evaporation.\*

\* Approx. 0.1 % per day (37 °C, humid), Lid sealed with silicone grease.

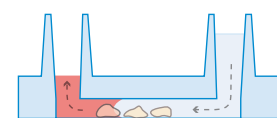
Approx. 1 % per day (37 °C, humid)  
Approx. 10 % per day (37 °C, dry)

## All-in-One Chambers

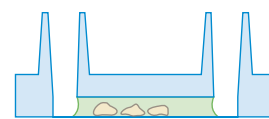
All-in-one chambers reduce the time and number of experimental steps in cell-based assays. ibidi  $\mu$ -Slides,  $\mu$ -Dishes, and  $\mu$ -Plates are designed as all-in-one chambers, so that all of the experimental steps – from cell cultivation to microscopic imaging – can be performed in one chamber.



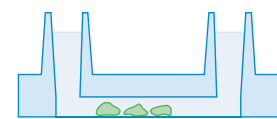
Cultivation



Fixation



Staining



Imaging



Ordering Information:

Request a FREE Sample at: [www.ibidi.com/free-samples](http://www.ibidi.com/free-samples)

Cat. No.	Description	Pcs./Box
81156	$\mu$ -Dish <sup>35 mm, high</sup> , ibiTreat: $\varnothing$ 35 mm, high wall (2 ml volume), #1.5 polymer coverslip, tissue culture treated, sterilized	60
81158	$\mu$ -Dish <sup>35 mm, high</sup> , Glass Bottom: $\varnothing$ 35 mm, high wall (2 ml volume), #1.5H (170 $\mu$ m +/- 5 $\mu$ m) D 263 M Schott glass, sterilized	60
80826	$\mu$ -Slide 8 Well, ibiTreat: #1.5 polymer coverslip, tissue culture treated, sterilized	15
80827	$\mu$ -Slide 8 Well Glass Bottom: No. 1.5H (170 $\mu$ m +/- 5 $\mu$ m) D 263 M Schott glass, sterilized	15
80606	$\mu$ -Slide VI <sup>0.4</sup> ibiTreat: #1.5 polymer coverslip, tissue culture treated, sterilized	15
81506	$\mu$ -Slide Angiogenesis, ibiTreat: #1.5 polymer coverslip, tissue culture treated, sterilized	15
80326	$\mu$ -Slide Chemotaxis <sup>3D</sup> , ibiTreat: #1.5 polymer coverslip, tissue culture treated, sterilized	10

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