

ibidi μ -Dishes, μ -Slides, and μ -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

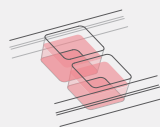
✓ Smart Features for Various Applications

- 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:

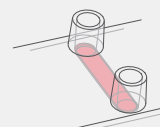
- High resolution and confocal microscopy
- Immunofluorescence staining
- Live cell imaging
- Transfection

Chamber Geometry



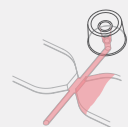
Open-Well Format

- 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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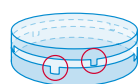
See how the ibidi Polymer Coverslip compares with glass:

Property	ibidi Polymer Coverslip	Glass
Refractive index (n_D 589 nm)	1.52	1.52
Abbe number	56	55
Thickness	#1.5 (180 μ m)	#1.5H (170 μ 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

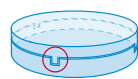
* DIC Lids are available separately

Lid with a Locked Position on ibidi μ -Dishes

The special locking feature on all ibidi μ -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.



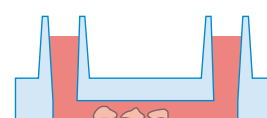
Locked position.
For long-term studies.
Almost no evaporation.*

* 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

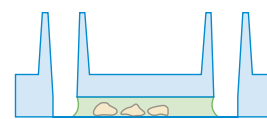
All-in-one chambers reduce the time and number of experimental steps in cell-based assays. ibidi μ -Slides, μ -Dishes, and μ -Plates are designed as all-in-one chambers, so that all of the experimental steps – from cell cultivation to microscopic imaging – can be performed in one chamber.



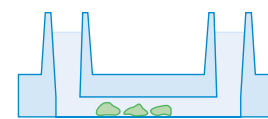
Cultivation



Fixation



Staining



Imaging



Ordering Information:

Request a FREE Sample at: www.ibidi.com/free-samples

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

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