



Coverslips for sticky–Slides are polymer or glass coverslips that can be mounted to all ibidi sticky–Slides. They have been designed for high–end microscopic analysis with uncompromised resolution and choice of wavelength.

Material

The Coverslips for sticky–Slides are available in two different versions.

Polymer Coverslips

The polymer coverslips 10813 and 10814 (ibidi Standard Bottom) are not autoclavable since they are temperature stable only up to 80°C/175°F. They can be sterilized with alcohol or UV-light.

Optical Properties ibidi Standard Bottom

Refractive index n_D (589 nm)	1.52
Abbe number	56
Thickness	No. 1.5 (180 μm)
Material	microscopy plastic/ polymer coverslip

Please note! The ibidi Standard Bottom is compatible with certain types of immersion oil only. A list of suitable oils can be found on page 2.

Attention!

The polymer coverslip (ibidi Standard Bottom) is protected by a turbid protection foil. Prior to use, remove the protection foil by using pointy tweezers. Due to production process the exposed side is ibiTreat (for product 10814) or uncoated (for product 10813). The protected side is uncoated always.

Glass Coverslips

Glass coverslips 10812 are manufactured from uncoated borosilicate glass. Washing steps (e.g. with PBS) before cell seeding can remove glass dust which is advantageous for direct cell growth on the surface. The glass coverslips can be sterilized with alcohol, UV-light or by autoclaving.

Optical Properties ibidi Glass Bottom

Refractive index n_D	1.523
Abbe number	55
Thickness	No. 1.5H (selected quality 170 μm , \pm 5 μm)
Material	Schott borosilicate glass, D 263M

Attention!

Be cautious when handling μ –Slides and μ –Dishes with glass bottom! The glass coverslip is very fragile and might break easily. Handle with care to avoid physical injury and damage to devices through leakage of the medium.

Surfaces

If you do not require any special adhesion molecules for your application, the best choice will be ibiTreat, a tissue culture treated surface. The uncoated polymer coverslips are manufactured from hydrophobic plastic. For the cultivation of most cell lines, it is indispensable to treat them with biopolymers, which mediate cell adhesion and growth.

Geometry

Geometry of the Coverslips for sticky–Slides

Dimensions	25 mm \times 75 mm
Thickness Glass Bottom	170 μm \pm 5 μm
Thickness ibidi Standard Bottom	180 μm

Immersion Oil

When using oil immersion objectives, use only the immersion oils specified in the table. The use of a non-recommended oil could lead to the damage of the plastic material and the objective.

Company	Product	Ordering Number
Zeiss	Immersol 518 F	(Zeiss) 444960
Zeiss	Immersol W 2010	(Zeiss) 444969
Leica	Immersion liquid	(Leica) 11513859

Ordering Information

The Coverslips for sticky–Slides are available in polymer and glass versions.

Cat. No.	Description	Pcs./Box
10812	Coverslips for sticky-Slides:: # 1.5H (170 µm ±5 µm) D 263 M Schott glass , 25 mm × 75 mm, unsterile	100
10813	Coverslips for sticky-Slides Uncoated:: # 1.5 polymer coverslip, hydrophobic, 25 mm × 75 mm, unsterile	100
10814	Coverslips for sticky-Slides ibiTreat:: # 1.5 polymer coverslip, hydrophobic, 25 mm × 75 mm, unsterile	100

For research use only!

Further technical specifications can be found at www.ibidi.com. For questions and suggestions please contact us by e-mail info@ibidi.de or by telephone +49 (0)89/520 4617 0. All products are developed and produced in Germany.

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