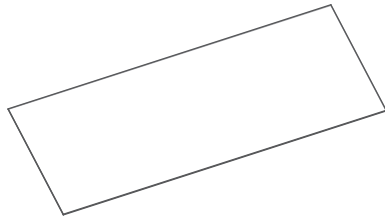


Coverslips for sticky-Slides

Instruction Manual



Coverslips for sticky-Slides (25 mm × 75 mm) 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.

This document applies to the following products:

10812	Coverslips for sticky-Slides, Glass
10813	Coverslips for sticky-Slides, Uncoated
10814	Coverslips for sticky-Slides, ibiTreat

Material

The Coverslips for sticky-Slides are available as an ibidi Polymer Coverslip and as a glass coverslip version.

Glass Coverslips

Glass coverslips (10812) are made from uncoated borosilicate glass. Washing them (e.g., with PBS) before cell seeding helps removing glass dusts, which enhances direct cell growth on the surface. The coverslips can be sterilized using alcohol, UV light, or autoclaving.

Optical Properties Glass Coverslip

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



CAUTION – Be cautious when handling ibidi labware products with a glass bottom! The glass coverslip or slide is fragile and can break easily. Handle these items carefully to prevent physical injury and damage to devices due to medium leakage.

ibidi Polymer Coverslips

The ibidi Polymer Coverslips (10813 and 10814) are not autoclavable, since they are only temperature-stable up to 80 °C/175 °F. They can be sterilized using alcohol or UV light.

Optical Properties of Polymer Coverslip

Refractive index (589 nm)	1.52
Abbe number	56
Thickness	No. 1.5 (180 µm)
Material	Polymer



WARNING – The ibidi Polymer Coverslip is compatible with certain types of immersion oil only. A list of suitable oils can be found in the Section “Immersion Oil”.



CAUTION – The polymer coverslip is protected by a turbid protection foil. Before use, remove the foil using pointy tweezers. Depending on the production process, the exposed side may be ibiTreat (for product 10814) or Uncoated (for product 10813). The side covered by the foil is always Uncoated.

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Shipping and Storage

The shelf life under proper storage conditions (in a dry place, no direct sunlight) is outlined in the following table.

Conditions	
Shipping conditions	Ambient
Storage conditions	RT (15–25°C)

Shelf Life	
ibiTreat, Uncoated, Glass Bottom	36 months

Surfaces

If your application does not require specific adhesion molecules, the ideal choice are Coverslips for sticky-Slides ibiTreat (10814), which have a tissue culture-treated surface. Instead, the Coverslips for sticky-Slides, Uncoated as well as Glass (10813, 10812) have a hydrophobic surface. To cultivate most cell lines effectively on them, it is essential to treat them with biopolymers that facilitate cell adhesion and growth.

Immersion Oil



WARNING – When using oil immersion objectives with the ibidi Polymer Coverslip, use only the immersion oils specified in the table below. The use of any non-recommended oil could damage the ibidi Polymer Coverslip. The resulting leakage may harm objectives and microscope components. All immersion oils that are not listed in the table below should be considered as non-compatible.

Company	Product	Ordering No.	Lot Number	Test Date
ibidi	ibidi Immersion Oil 2	50102	24-07-04	07/2024
Cargille	Type A	16482	100592	01/2017
Cargille	Type HF	16245	92192	01/2017
Carl Roth	Immersion oil	X899.1	414220338	01/2017
Leica	Immersion Liquid	11513859	n.a.	03/2023
Leica	Immersion Liquid Type G	11513910	n.a.	04/2024
Nikon	Immersion Oil F2 30cc	MXA22192	n.a.	01/2020
Nikon	Silicone Immersion Oil 30cc	MXA22179	20191101	01/2020
Olympus	Silicone Immersion Oil	SIL300CS-30CC	N4190800	01/2017
Zeiss	Immersion 518 F	444960-0000	220211	03/2023
Zeiss	Immersion 518 F (30°C)	444970-9010	220816	03/2023
Zeiss	Immersion 518 F (37°C)	444970-9000	220302	03/2023
Zeiss	Immersion W 2010	444969-0000	101122	04/2012
Zeiss	Immersion Sil 406	444971-9000	80730	03/2023
Zeiss	Immersion G	462959-9901	211117	03/2023

When using ibidi Glass Bottom products with oil immersion objectives, there is no known incompatibility with any immersion oil on the market. All types of immersion oils can be used.

For research use only!

Further information can be found at [ibidi.com](https://www.ibidi.com). For questions and suggestions, please contact us by e-mail at info@ibidi.com or by telephone at +49 (0)89/520 4617 0.

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