

Chambered Coverslips – At a Glance

(SG 01 FOR INTERNAL USE ONLY)



Coverslip bottom	μ -Slide 2 Well	μ -Slide 4 Well	μ -Slide 8 Well	μ -Slide 8 Well high	μ -Slide 18 Well
Polymer #1.5 ibiTreat, tissue-culture-treated	80286	80426	80826 80826-90	80806 80806-90	81816
Polymer #1.5 Uncoated	80281	80421	80821	80801	81811
Polymer #1.5 Collagen IV	80282	80422	80822	80802	-
Polymer #1.5 Poly-L-lysine	80284	80424	80824	80804	-
Glass #1.5H	80287	80427	80827 80827-90	80807 80807-90	81817

Microscopy is becoming increasingly complex and requires cell culture vessels of the highest optical quality. ibidi chambered coverslips are the perfect solution for high-end microscopy:

- Coverslip bottom in glass or polymer with excellent optical properties for imaging
- All-in-one chambers designed for live cell imaging and imaging of fixed cells
- Optimal cell culture conditions (Polymer Coverslip)

	μ -Slide 2 / 4 / 8 / 18 Well Polymer	μ -Slide 2 / 4 / 8 / 18 Well Glass
Bottom material	#1.5 ibidi Polymer Coverslip	#1.5H ibidi Glass Coverslip
Bottom thickness	180 μ m (+10/-5 μ m)	170 μ m (+/-5 μ m)
Available surfaces	ibiTreat (tissue culture treated), Uncoated	Uncoated glass
Precoated versions	Collagen IV, Poly-L-Lysine	-
Microscopy technique	High-resolution	High-resolution + TIRF + super-resolution + single molecule

Unique Selling Point

μ -Slide 2 / 4 / 8 / 18 Well Polymer	μ -Slide 2 / 4 / 8 / 18 Well Glass
ibidi is the only company that uses a tissue-culture-treated polymer coverslip (ibiTreat) for chambered coverslips. The bottom material combines excellent optical properties and optimal cell adherence without the need of additional coating.	Perfect solution for high-end microscopy techniques (e.g., super-resolution and TIRF) that require highly standardized coverslip thickness.

Applications

- Microscopy of cells, tissues, spheroids or small organisms in high magnification and high-resolution
- Live cell imaging
- Immunofluorescence/immunostaining
- Sample visualization with inverted microscopes (confocal, widefield fluorescence, phase contrast, DIC, multi-photon, etc.), TIRF, super-resolution and single molecule microscopy

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Features & Benefits

Feature	Benefit	μ-Slide Polymer	μ-Slide Glass
Polymer coverslip #1.5	High-resolution microscopy	X	
Glass coverslip #1.5H	High-resolution, superresolution, TIRF, and single molecule microscopy		X
Tissue-culture-treated	Almost all adherent cell types attach, optimal cell growth	X	
Pre-coated versions	For sensitive cells, self-coating not necessary -> faster results	X	
Up to 18 wells	High sample number with low number of cells -> cost-effective	X	X
Closely fitting lid	Low evaporation for optimal cell culture conditions	X	X
Quick support from ibidi experts	Fast assistance for better results	X	X

Competition

	μ-Slide Polymer	μ-Slide Glass Bottom	CELLview (Greiner Bio-One)	Lab-Tek Chambered Coverglass (Nunc)	Chambered Coverglass (Cellvis)	Cell Imaging Coverglasses (Eppendorf)	X-Well (Sarstedt)
Polymer coverslip tissue-culture-treated*	Yes	-	No	No	Yes	No	No
Glass #1.5H**	-	Yes	No	No	Yes	No	No
Pre-coated versions	Yes	No	No	No	Optional	No	No
Removable frame	No	No	Yes	No	No	Yes	No
Version with > 8 wells	Yes	Yes	Yes	No	No	No	No
Costs	\$\$	\$\$	\$\$\$	\$\$\$	\$	\$\$\$	\$\$

* ibidi is the inventor of the polymer coverslip for high resolution microscopy!

** ibidi was the first manufacturer using only the best, high precision Schott glass coverslips #1.5H!

Keywords for Customer Research

- Cell biology (immunofluorescence, immunostaining, live cell imaging, transfection)
- Microscopy (inverted microscope***, widefield fluorescence, confocal, phase contrast, DIC, super-resolution, TIRF, two-photon, multi-photon)
- Toxicology (drug studies, comparison studies)

Probing Questions (When answered with Yes, it's a hot lead!)

- Do you do (live) cell imaging?
- Do you perform immunofluorescence stainings?
- Do you require a high number of samples on one slide?

Cross Selling With

- ibidi Stage Top Incubation System (e.g., #10720)
- Mounting Medium (#50001, #50011)
- Immersion Oil (#50101)
- Collagen I, rat tail for coatings (e.g., #50202)
- LifeAct for actin visualization (e.g., #60101, #60151)

*** For solutions for **upright** microscopes: see Sales Guide SG 02 "Chamber Slides, removable".

For a comparison of Chambered Coverslips, Channel Slides and Chamber Slides, removable, see Flyer "Immunofluorescence".