

The sticky-Slide family allows you to perform cell culture experiments with custom-specific bottom materials like plastic sheets, glass coverslips, etc. The self adhesive ("sticky") underside of the bottomless blank slide is easily adapted to your specific bottom substrate.

The sticky-Slide 8 Well provides a common open well format which is best suited for maximum sample access in a wide variety of experimental applications.

Material

The slide material of sticky-Slides is identical to μ -Slides. All sticky-Slides are delivered sterilized and single packed. Please keep in mind that sterility is lost when non-sterile substrates are used. The sticky-Slides are not autoclavable since they are temperature stable up to 60°C/140°F only.

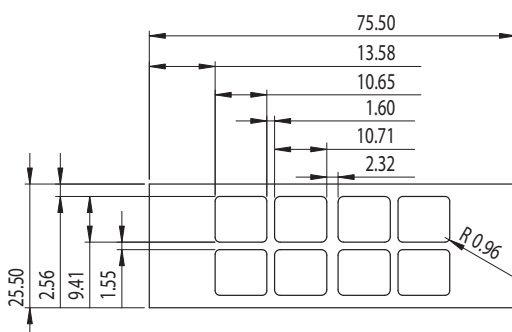
The sticky bottom itself is a 50 μ m biocompatible double-faced adhesive tape. The tape is covered by a protection film which has to be removed before usage.

Geometry

All technical details beside bottom material are identical to μ -Slide 8 Well. The Slides provide standard slide format according to ISO 8037/1.

Geometry of the sticky-Slide 8 Well

Outer dimensions in mm (w×l)	25.5 × 75.5
Number of wells	8
Dimension of wells in mm (w×l×h)	9.4 × 10.7 × 6.8
Volume per well	300 μ l
Total height with lid	8 mm
Growth area per well	1.0 cm ²
Coating area per well	2.2 cm ²
Bottom	none



Shipping and Storage

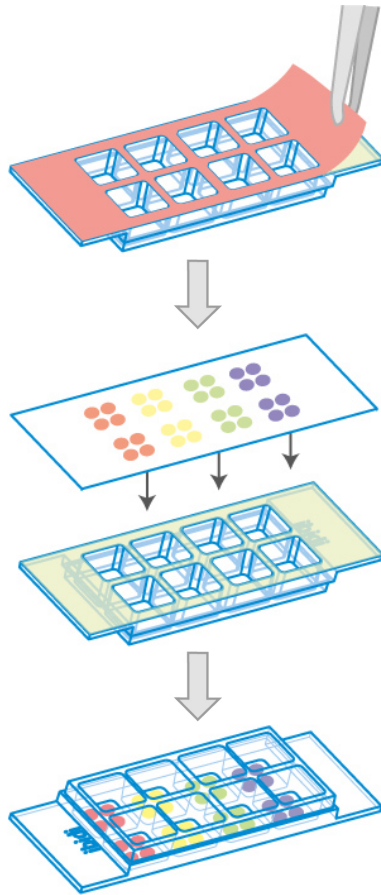
The μ -Slides, μ -Dishes and μ -Plates are sterilized and welded in a gas-permeable packaging. The shelf life under proper storage conditions (in a dry place, no direct sunlight) is listed in the following table.

Conditions	
Shipping conditions	Ambient
Storage conditions	RT (15-25°C)
Shelf Life	
sticky-Slides	36 months

Handling and Assembling

Assemble the sticky-Slides with a convenient bottom material, matching your experimental needs.

- Prepare your sample and/or bottom material.
- Remove the protection film of the sticky-Slides.
- Mount bottom and sticky-Slide. Press firmly until the bottom is completely sealed. Make sure there is no air left between sticky-Slide and the bottom material by applying precise pressure with fingers. To confirm strong adhesion, invert the sticky-Slide and check for air gaps. If air gaps are found, press them out of the adhesive interface.
- For best results, use our Clamp for sticky-Slides (ibidi, 80040) after assembly.
- Incubate the assembled sticky-Slide at 37°C for 8 hours in a dry or humid incubator.
- Conduct your experiment.



Undemanding cells can be left in their seeding medium for up to three days and grow to confluence there. However, best results might be achieved when the medium is changed every 1–2 days. Carefully aspirate the old medium and replace it by 300 µl/well fresh medium.

Disassembly of sticky-Slides

sticky-Slides can be removed from the substrate by dissolving the sticky bottom with acetone. Once the sticky bottom is removed sticky-Slides cannot be reused. Dip the assembled sticky-Slide into acetone over night in an appropriate glass container (e.g. a beaker). Please keep in mind that acetone might be harmful to your used substrate.

Immersion Oil

The compatibility with immersion oil depends on the used substrate.

Surface Compatibility

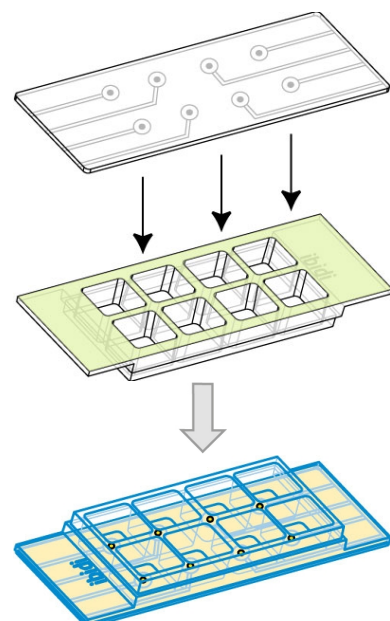
sticky-Slides are compatible with flat, clean, dust-free, fat-free surfaces like glass coverslips, plastic, metal, or electrode structures. Best results are achieved with completely dry surfaces. Dusty or fatty surfaces like wax foils, lipids or similar surfaces are not compatible. Please test your specific surface in your lab with a free sample from www.ibidi.com.

Seeding Cells

- Trypsinize and count cells as usual. Dilute the cell suspension to the desired concentration. Depending on your cell type, application of a $4-9 \times 10^4$ cells/ml suspension should result in a confluent layer within 2–3 days.
- Apply 300 µl cell suspension into each well of the Slide. Avoid shaking as this will result in inhomogeneous distribution of the cells.
- Cover reservoirs with the supplied lid. Incubate at 37°C and 5% CO₂ as usual.

Applications

The sticky-Slide 8 Well provides a common open well format which is best suited for maximum sample access, e.g. when cells have to be seeded on different materials.



Solvents for Fixation, Staining and Other Purposes

The material is compatible to most fixatives, like acidic acid, alcohols, aldehydes and PFA. Please keep in mind that these substances may be harmful to the mounted

bottom material. Acetone is not compatible. For a full list of compatible solvents and more information on chemical compatibility, please visit the FAQ section on www.ibidi.com. For optimal results in fluorescence microscopy and storage of stained probes ibidi provides a mounting medium (50001) optimized for μ -Dishes and μ -Slides.

Ordering Information

The sticky-Slide technology is available with different slide formats. Please see the table below for choosing your sticky-Slide.

sticky-Slides

Cat. No.	Description
80828	sticky-Slide 8 Well: sterilized
80608	sticky-Slide VI ^{0.4} : sterilized
80328	sticky-Slide Chemotaxis: sterilized
81128	sticky-Slide I ^{0.1} Luer: sterilized
80168	sticky-Slide I ^{0.2} Luer: sterilized
80178	sticky-Slide I ^{0.4} Luer: sterilized
80188	sticky-Slide I ^{0.6} Luer: sterilized
80198	sticky-Slide I ^{0.8} Luer: sterilized
10812	Coverslips for sticky-Slides: #1.5H (170 μ m \pm 5 μ m) D 263 M, Schott glass, 25 mm \times 75 mm, unsterile
10813	Coverslips for sticky-Slides Uncoated: #1.5 polymer coverslip, 25 mm \times 75 mm, unsterile
10814	Coverslips for sticky-Slides ibiTreat: #1.5 polymer coverslip, tissue culture treated 25 mm \times 75 mm, unsterile

Clamp for sticky-Slides

Cat. No.	Description
80040	Clamp for sticky-Slides
80041	Adapter for sticky-Slide 8 Well
80042	Adapter for sticky-Slide I Luer
80043	Adapter for sticky-Slide VI ^{0.4}
80044	Adapter for sticky-Slide Chemotaxis

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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