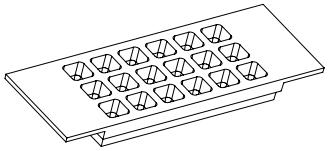


The sticky-Slide family allows you to perform cell culture experiments with custom–specific bottom materials like plastic sheets, glass coverslips, etc. The self adhesive (”sticky”) underside of the bottomless blank slide is easily adapted to your specific bottom substrate.

The sticky-Slide 18 Well provides a common open well format which is best suited for maximum sample access in a wide variety of experimental applications.

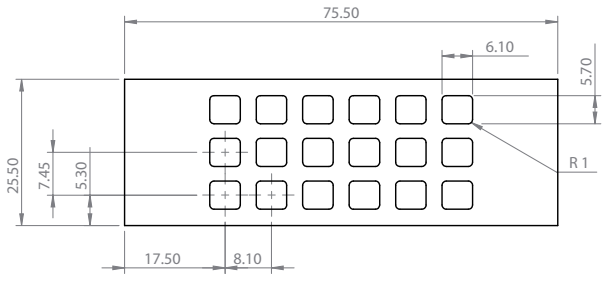
Material

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 µm 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 18 Well. The sticky-Slide 18 Well provides standard slide format according to ISO 8037/1.

Geometry of the sticky-Slide 18 Well	
Outer dimensions (w×l)	25.5 × 75.5 mm^2
Number of wells	18
Dimensions of wells (w×l×h)	5.7 x 6.1 x 6.8 mm^3
Volume per well	100 µl
Height with/without lid	8.2/6.8 mm
Growth area per well	0.34 cm^2
Coating area per well	1.15 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.

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 5–11 × 10^4 cells/ml suspension should result in a confluent layer within 2–3 days.
- Apply 100 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 % CO_2 as usual.

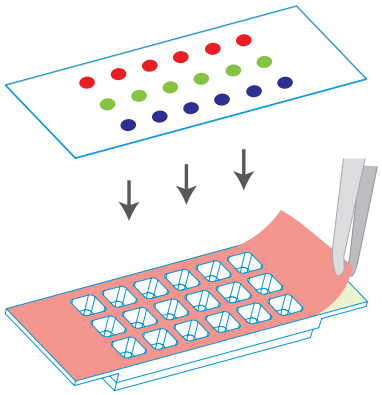
Undemanding cells can be left in their seeding medium for up to three days and grow to confluence there. However, best results might be achieved when the medium is changed every 1–2 days. Carefully aspirate the old medium and replace it by 100 µl/well fresh medium.

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.

Applications

The sticky-Slide 18 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.



Immersion Oil

The compatibility with immersion oil depends on the used substrate.

Chemical Compatibility

The table below provides some basic information on the chemical and solvent compatibility of the sticky-Slide 18 Well. For a full list of compatible solvents and more information on chemical compatibility, please visit the FAQ section on ibidi.com.

Chemical / Solvent	Compatibility
Methanol	yes
Ethanol	yes
Formaldehyde	yes
Acetone	no
Mineral oil	yes
Silicone oil	yes
Immersion oil	See **Immersion Oil** on page 2.

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
81818	**sticky-Slide 18 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 µm ±5 µm) D 263 M, Schott glass, 25 mm × 75 mm, unsterile
10813	**Coverslips for sticky-Slides Uncoated**: #1.5 polymer coverslip, 25 mm × 75 mm, unsterile
10814	**Coverslips for sticky-Slides ibiTreat**: #1.5 polymer coverslip, tissue culture treated 25 mm × 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**
80045	**Adapter for sticky-Slide 18 Well**

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.
© ibidi GmbH, Lochhamer Schlag 11, 82166 Gräfelfing, Germany.