



ibidi Labware compatibility report

Directly order at:

<http://ibidi.com/xtproducts/en/Instruments-Accessories/Nanolive-3D-Cell-Explorer>

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A. Open Slides | Dishes: ibidi Polymer Coverslip & Glass Bottom

<http://ibidi.com/xtproducts/en/ibidi-Labware/Open-Slides-Dishes:-Glass-Bottom/m-Dish-35-mm-high-Glass-Bottom>

- **μ-Dish 35 mm, high Glass Bottom**



Ø μ-Dish	35 mm
Volume	2 ml
Growth area	3.5 cm ²
Coating area using 400 μl	4.1 cm ²
Ø observation area	21 mm
Height with / without lid	14 / 12 mm
Bottom	Glass coverslip No. 1.5H, selected quality, 170 μm +/- 5 μm

Applications

Cultivation and microscopy of cell cultures
Fluorescence Correlation Spectroscopy (FCS)
TIRF and single molecule applications



- Image the center of the dish
- Not compatible with DIC lid

A. Open Slides | Dishes: ibidi Polymer Coverslip & Glass Bottom

- **μ -Dish 35 mm, high Grid-500 Glass Bottom**



Grid repeat distance	500 μ m
\emptyset μ-Dish	35 mm
Volume	2 ml
Growth area	3.5 cm ²
Coating area using 400 μl	4.1 cm ²
\emptyset observation area	21 mm
Height with / without lid	14 / 12 mm
Bottom	Glass coverslip No. 1.5, selected quality, 170 μ m +/- 10 μ m

Applications

Relocating cells or cell clusters, e.g., transfected cells for clone picking
Counting events per defined area (e.g., when calculating transfection efficiency)
Providing a reference structure for cell movements
Treatment of distinct single cells, such as in microinjection
Following axon growth on a defined scale bar



- Avoid grid lines in the field of view

A. Open Slides | Dishes: ibidi Polymer Coverslip & Glass Bottom

<http://ibidi.com/xtproducts/en/ibidi-Labware/Open-Slides-Dishes:-ibidi-Polymer-Coverslip/m-Dish-35mm-low>

- **μ-Dish 35 mm, low**



Ø μ-Dish	35 mm
Volume	800 μl
Growth area	3.5 cm ²
Coating area using 400 μl	4.1 cm ²
Ø observation area	21 mm
Height with / without lid	9 / 7 mm
Bottom	ibidi Polymer Coverslip

Applications

- Cell manipulation and microinjection
- Fluorescence microscopy of both living and fixed cells
- [Live cell imaging](#)



- High risk of medium spilling out



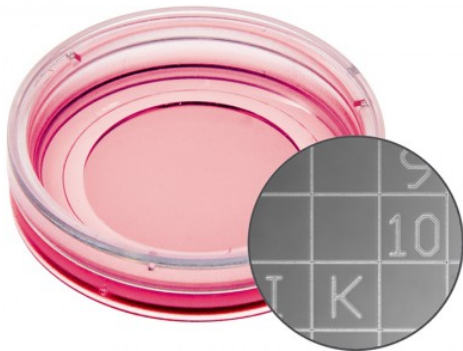
Suitable for **DIC Lid for μ-Dishes**
Special lid with a glass insert for use in Differential Interference Contrast (DIC)

- Ideal for use in Differential Interference Contrast (DIC)
- Suitable for use with all ibidi 35 mm μ-Dishes
- Can be alcohol-sterilized and then be reused



A. Open Slides | Dishes: ibidi Polymer Coverslip & Glass Bottom

- **μ-Dish 35 mm Grid-500**



Grid repeat distance	500 μm
Ø μ-Dish	35 mm
Volume high / low	0.8 ml
Growth area	3.5 cm ²
Coating area using 400 μl	4.1 cm ²
Ø observation area	21 mm
Height with lid high / low	9 mm
Bottom	ibidi Polymer Coverslip

Applications

- Relocating cells or cell clusters, e.g., transfected cells for clone picking
- Counting events per defined area (e.g., for calculating transfection efficiency)
- Providing a reference structure for cell movements
- Treatment of distinct single cells, such as in microinjection
- Following axon growth on a defined scale bar



- Avoid grid lines in the field of view
- High risk of medium spilling out



DIC Lid for μ-Dishes **Special lid with a glass insert for use in Differential Interference Contrast (DIC)**

Ideal for use in Differential Interference Contrast (DIC)
Suitable for use with all ibidi 35 mm μ-Dishes
Can be alcohol-sterilized and then be reused



A. Open Slides | Dishes: ibidi Polymer Coverslip & Glass Bottom

- **μ-Slide 2 Well Glass Bottom**



Number of wells	2
Dimensions of wells (w x l x h) in mm	21.2 x 23.3 x 9.3
Volume per well	1500 μl
Total height with lid	10.8 mm
Growth area per well	4.8 cm ²
Coating area per well	7.5 cm ²
Bottom	Glass coverslip No. 1.5H, selected quality, 170 μm +/- 5 μm

Applications

- Cultivation and microscopy of cell cultures
- TIRF and single molecule applications



- It works only in the middle of the wells



Compatible with: DIC Lid for μ-Slides

- For use in Differential Interference Contrast (DIC)
- Suitable for use with all ibidi μ-Slides (except Channel and Ph+ versions)
- Made from special plastic with low birefringence



A. Open Slides | Dishes: ibidi Polymer Coverslip & Glass Bottom

- **μ-Slide 2 Well Co-Culture**



Number of major wells	2
Volume per major well	600 μl
Dimensions of major wells (w x l x h) in mm	21.5 x 23.6 x 6.8
Number of minor wells	2 x 9
Volume of each minor well	70 μl
Dimensions of minor wells (w x l x h) in mm	6.1 x 6.8 x 1.3
Growth area per minor well	0.4 cm ²
Coating area per minor well Bottom	0.55 cm ² ibidi Polymer Coverslip

Applications

- [Co-cultivation](#) of different cell lines or primary cells
- Mesenchymal-epithelial interactions
- Paracrine interaction of different cell populations in vitro
- Cell or spheroid culture in gel matrices

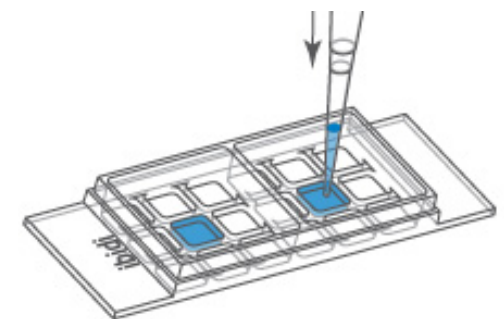


- It works only in the central well



Compatible with: DIC Lid for μ-Slides

- For use in Differential Interference Contrast (DIC)
- Suitable for use with all ibidi μ-Slides (except Channel and Ph+ versions)
- Made from special plastic with low birefringence



A. Open Slides | Dishes: ibidi Polymer Coverslip & Glass Bottom

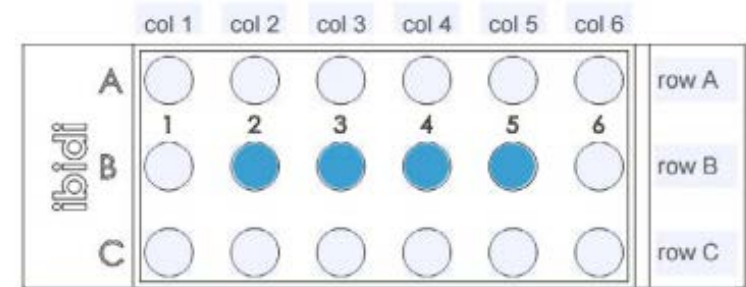
- μ -Slide 18 Well – Flat



Number of wells	18
Height with / without lid	5.0 / 1.6 mm
Volume per reservoir	30 μ l
Well diameter	5 mm
Growth area per well	0.2 cm ²
Coating area per well	0.25 cm ²
Bottom	ibidi Polymer Coverslip

Applications

- Quick [immunofluorescence](#) staining of adherent cells
- Optimization of both surface functionalization and coatings
- Fast toxicological screening of small microscopy samples
- Spotting samples such as RNA assays
- Cultivation of [small organisms](#)



- It works only in wells 2,3,4,5 in rowB



Compatible with: DIC Lid for μ -Slides

- For use in Differential Interference Contrast (DIC)
- Suitable for use with all ibidi μ -Slides (except Channel and Ph+ versions)
- Made from special plastic with low birefringence



B. Open Slides | Dishes: Removable Chambers

- **Culture-Insert 2 Well**



Number of wells	2
Outer dimensions (w x l x h) in mm	8.4 x 8.4 x 5
Volume per well	70 μ l
Growth area per well	0.22 cm ²
Coating area per well	0.82 cm ²
Width of cell free gap	500 μ m +/- 50 μ m
Material	Biocompatible silicone
Bottom	No bottom - sticky underside

Applications

- [Wound healing assays](#)
- [Migration assays](#)
- [2D invasion assays](#)
- [Co-cultivation of cells](#)



- It works only after the inserts removal

B. Open Slides | Dishes: Removable Chambers

- **Culture-Insert 3 Well**



Number of wells	3
Outer dimensions (w x l x h) in mm	8.4 x 12.15 x 5
Volume per well	70 μ l
Growth area per well	0.22 cm ²
Coating area per well	0.82 cm ²
Width of cell free gap	500 μ m +/- 50 μ m
Material	Biocompatible silicone
Bottom	No bottom - sticky underside

Applications

- [Wound healing assays](#)
- [Migration assays](#)
- [2D invasion assays](#)
- [Co-cultivation of cells](#)



- It works only after the inserts removal

B. Open Slides | Dishes: Removable Chambers

- **Culture-Insert 4 Well**



Number of wells	4
Outer dimensions	Ø 17 mm
Volume per well	110 µl
Growth area per well	0.35 cm ²
Coating area per well	1.23 cm ²
Width of cell free gap	
- Two cell fronts	500 µm +/- 50 µm
- Four cell fronts (center)	1000 µm +/- 100 µm
Material	Biocompatible silicone
Bottom	No bottom - sticky underside

Applications

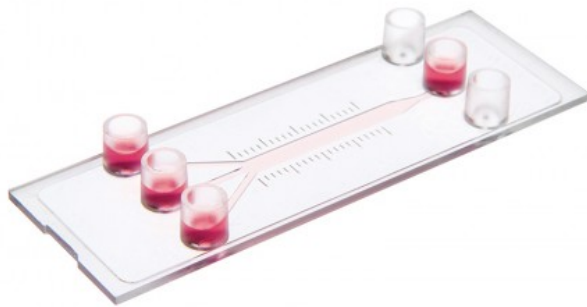
- [Wound healing assays](#)
- [Migration assays](#)
- [2D invasion assays](#)
- [Co-cultivation of cells](#)



- It works only after the inserts removal

C. Chemotaxis Slides

- μ -Slide III 3in1



Applications

- Fluidic assays with up to three different liquids
- Cell sorting with laser traps
- Fluidic focusing of inner lane



Compatible with: **ibidi Pump System**

Adapters	Female Luer
Volume per reservoir	60 μ l
Number of channels	3 in 1
Total channel volume	60 μ l
Height of all channels	0.4 mm
Width of channels thin/thick	1/3 mm
Total growth area	1.23 cm ²
Coating area	3.05 cm ²
Distance of scale bars	1 mm
Bottom	ibidi Polymer Coverslip



D. Channel Slides

- **μ-Slide I Luer Family**



Channel length	50 mm
Channel width	5 mm
Adapters	Female Luer
Volume per reservoir	60 μl
Growth area	2.5 cm ²
Coating area	5.2 / 5.4 / 5.6 / 5.8 cm ²
Bottom	ibidi Polymer Coverslip

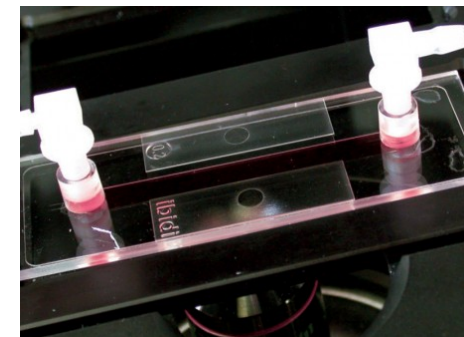
Applications

- Adherent cells under [flow conditions](#)
- Cell culture (static or stop-flow)
- [3D cell culture](#) in gels brought into the channels
- High-resolution microscopy of living and fixed cells



Compatible with: **ibidi Pump System**

- Defined [shear stress](#) in long-term cell culture (e.g., endothelium, kidney, or biofilm)
- [Live cell imaging](#) and [immunofluorescence](#) for analyzing shear stress response
- Mimicking shear stress conditions in microcapillary, venous, and arterial flow
- [Rolling and adhesion](#) of suspended cells on substrates
- [Stop flow experiments](#)
- [3D cell culture: interstitial flow](#)



D. Channel Slides

- μ -Slide y-shaped

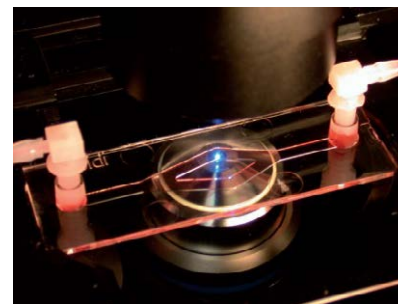


Specifications:

Adapters	Female Luer
Volume per reservoir	60 μ l
Volume of the channel	110 μ l
Height of all channel	0.4 mm
Width of channel	3 mm
Growth area	2.8 cm ²
Coating area	5.6 cm ²
Bottom	ibidi Polymer Coverslip



Compatible with: **ibidi Pump System**



D. Channel Slides

- **μ-Slide III 3D Perfusion**



Applications

- Correlative light and electron microscopy (CLEM)
- Observation of single cells in 3D matrices or tissue samples (e.g., spheroids, small organoids, or organisms)
- Perfusion of samples
- Long-term cultivation of cells in 3D matrices



Compatible with: **ibidi Pump System**

Number of wells	6
Volume of wells	30 μ l
Well diameter	5.5 mm
Well depth	1.2 mm
Well depth total	1.7 mm
Growth area per well	25 mm ²
Number of channels	3
Total channel volume	130 μ l
Channel width	1.0 mm
Adapters	Female Luer
Volume per reservoir	60 μ l
Coating area using 130 μl	2.4 cm ² per channel
Bottom	ibidi Polymer Coverslip

