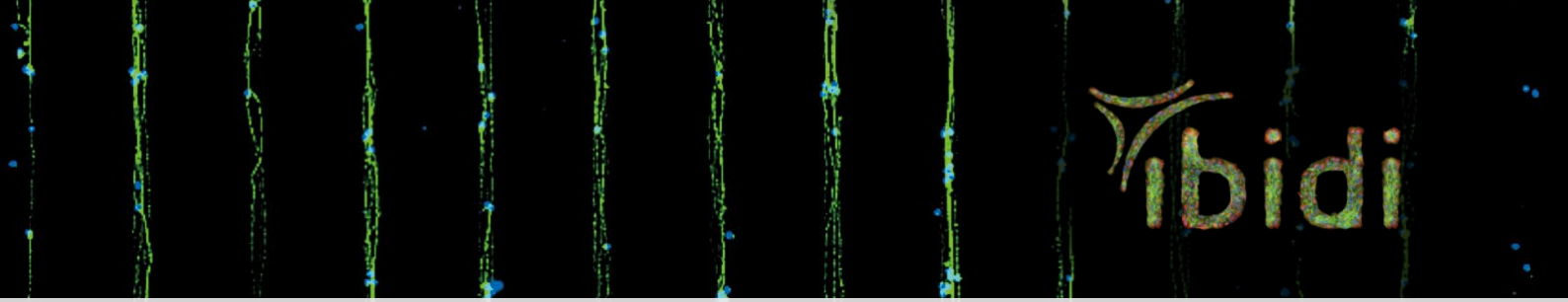


µ-Patterning Technology

Precise Spatial Control of Cell Adhesion

✓ Spatially Defined Adhesion Patterns

The combination of our advanced ibiTreat (tissue culture-treated) and Bioinert surface creates precise cell adhesion patterns

✓ Optimized for Microscopy

The #1.5 ibidi Polymer Coverslip delivers brilliant optical clarity for high-resolution microscopy

✓ Ready to Use

The µ-Patterns are dry-stable, sterile, and have a long shelf life, making them ideal for consistent control of cell adhesion directly from a cell suspension

Order Your Free Samples

Test the ibidi µ-Patterning solutions:

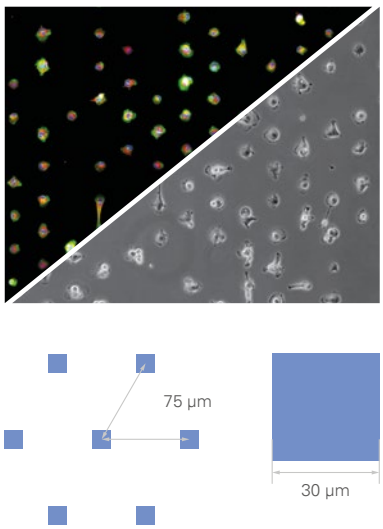
ibidi.com/freesample

ibidi µ-Patterning

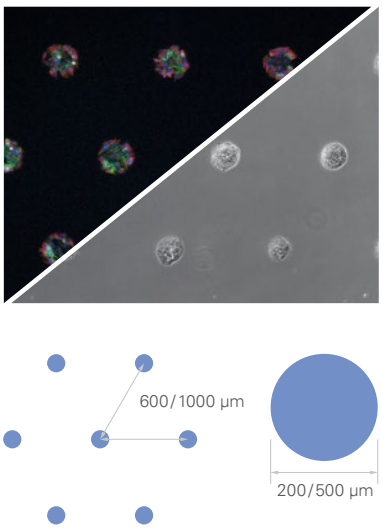
Find application examples and more information here:

ibidi.com/micropatterning

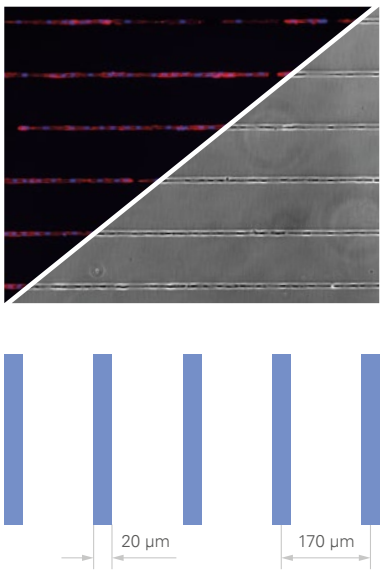
Single-Cell Arrays



Multi-Cell Arrays

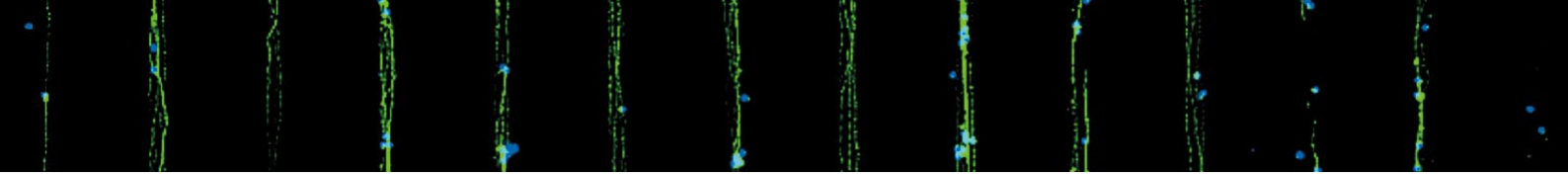


Line Arrays



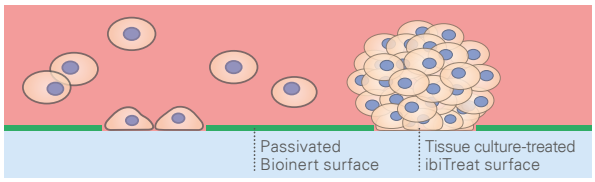
Header image by Moran Amit's Lab
University of Texas MD Anderson Cancer Center, USA

ibidi.com

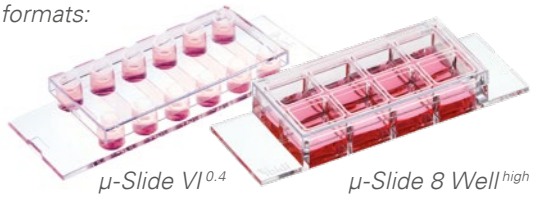


The Principle of the ibidi µ-Patterning Technology

Defined adhesive ibiTreat (tissue culture-treated) patterns are integrated into the non-adhesive Bioinert (ULA) surface of the ibidi #1.5 Polymer Coverslip. The µ-Slide 8 Well ^{high} or µ-Slide VI $^{0.4}$ labware is available in a ready-to-use format for confined cell adhesion in various 2D and 3D applications. The surfaces are dry-stable and remain passivated for several days to weeks.



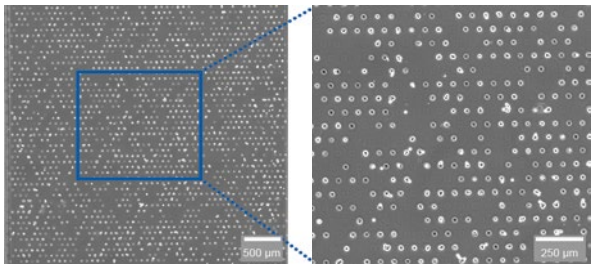
Available in different slide formats:



Application Examples

Precise Single-Cell Analysis

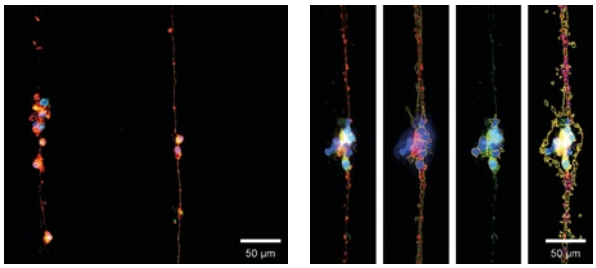
Predefined single cell positioning can be done directly from a cell suspension for e.g. transfection, proteomics, and metabolic activity tests, and more.



Neuronal Outgrowth

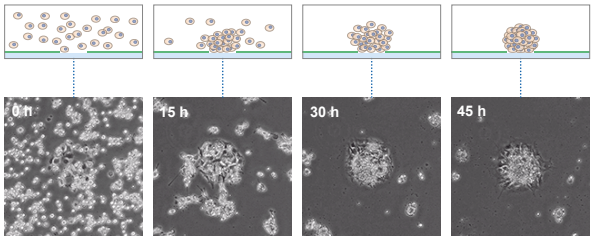
Linear patterns guide cells to adhere and grow specifically along the 1D microlanes.

Image courtesy of Moran Amit's Lab, the University of Texas MD Anderson Cancer Center, USA.



Spheroid/Organoid Formation

Immobilized spheroids or organoids allow optical analysis of the same cells/aggregates over extended periods. Compatible with the ibidi Pump System for automated long-term perfusion.



Unlock the potential of your research! Co-design customized patterns with the ibidi experts and create tailored solutions for your experiments.

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