

ibidi Micro Illumination System

A Turnkey UV Illumination Platform for Microfabrication

✓ User-Friendly

Easy-to-use interface and versatile light-induced
2D/3D microfabrication

✓ Build Microphysiological Models

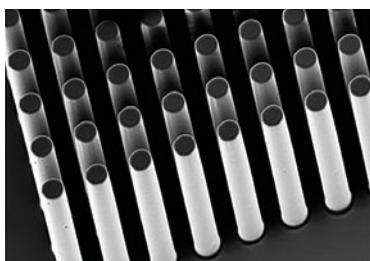
Create ready-to-use applications directly on
ibidi μ -Slides and μ -Dishes

✓ Compact Benchtop Design

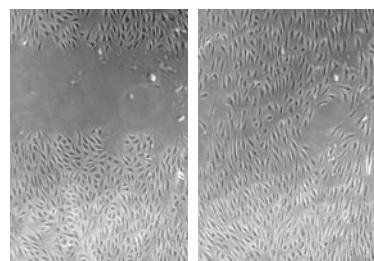
Stand alone device for wet lab environments—
no cleanroom required



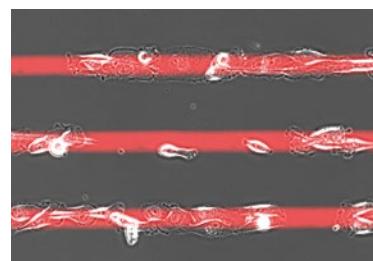
3D Microstructuring



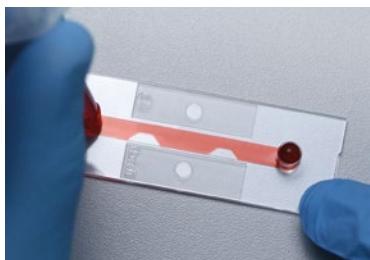
Light-Induced Wounding



Micropatterning



Microfluidics & -chips



Hydrogel-Structuring

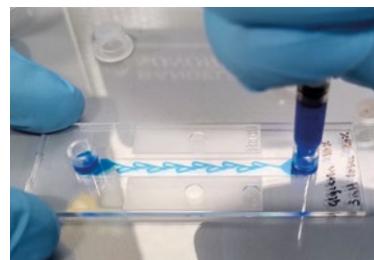
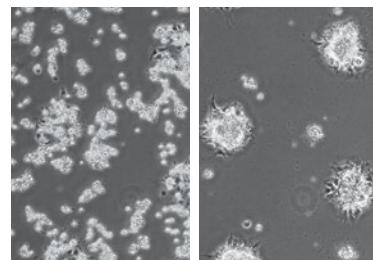


Photo Click Chemistry

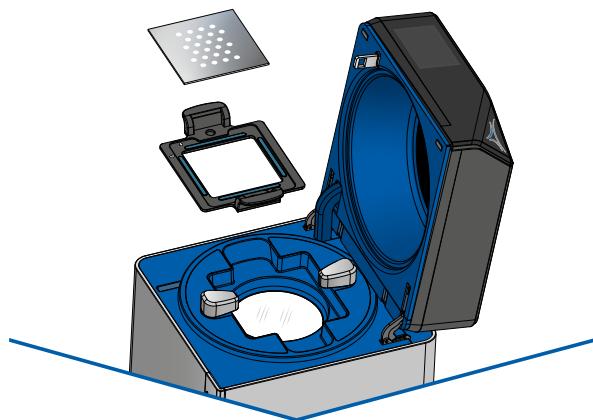




Build Microphysiological Models Directly on Your Bench

From Surface Patterns to Functional Microchips

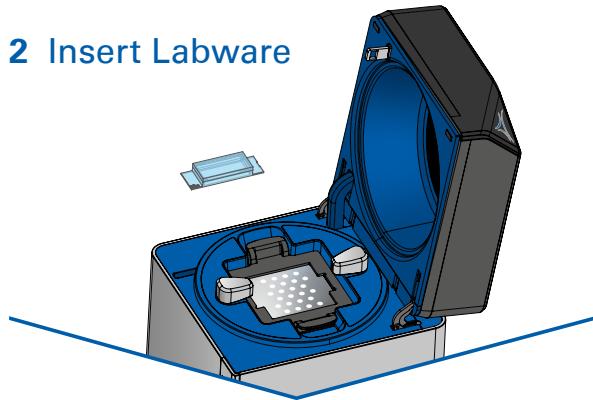
1 Insert Photomask



Specifications

Light source	High-power UV-LED
Wavelength	365 nm
Intensity	20–100 mW/cm ²
Divergence	≤ 3°
Illumination area	Ø 70 mm
Compatible photomasks	3" masks, thickness 1.4–1.8 mm
Resolution, nominal	2 µm
Outer dimensions	200 × 215 × 260 mm (l × w × h)
Weight	6.6 kg / 14.6 lbs

2 Insert Labware



Application Examples

Photopatterning

Defined cell-adhesive or -repellent areas for migration and guidance studies

Photo Click Chemistry

Spatial and temporal UV-induced reactions

Organ-on-a-Chip

Microfluidic devices for *ex vivo* cell models

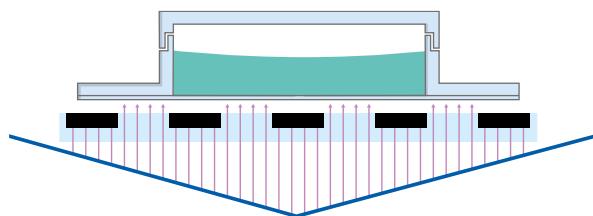
Light-Induced Wound Healing Assays

Photo-induced cell-free zones in confluent layers to study cell migration

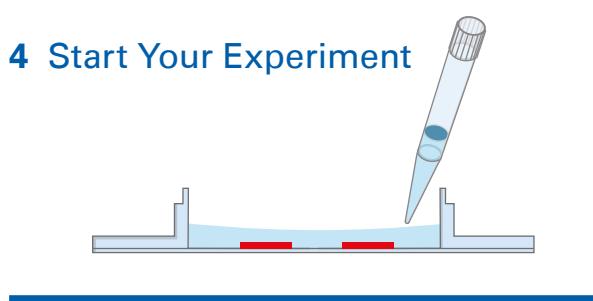
Microstructuring

Photolithography or hydrogel polymerization

3 Illuminate



4 Start Your Experiment



Bring advanced microfabrication directly into your lab. Find more information at:
ibidi.com/illumination-system

