

Angiogenesis Assays

Perform Tube Formation Assays,
Sprouting Assays, and 3D Cell Culture

✓ Brilliant Visualization of Cells

No gel meniscus is formed, all cells are in one focal plane

✓ Cost-Effective Experiments

Only 10 μ l gel per well needed

✓ Objective and Reproducible Data Analysis

Results within minutes using AI-based automated image analysis

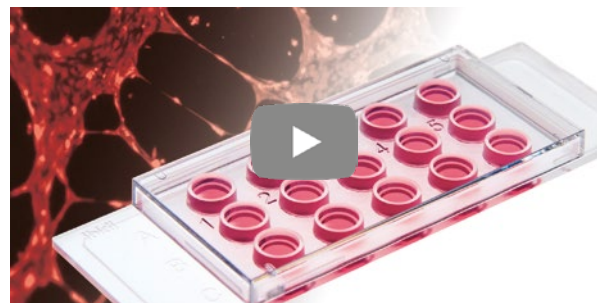
Applications:

- Tube formation and angiogenesis assays
- Sprouting assays
- 3D cell culture
- Immunofluorescence staining



*Using the μ -Slide 15 Well 3D is the only possibility that I know for achieving a **consistently good optical quality** in the tube formation assay and **saving Matrigel** at the same time.*

*Prof. Stefan Zahler
PhD, Ludwig-Maximilians-University, Germany*



Watch the handling movie
[Tube Formation Assays Using the \$\mu\$ -Slide 15 Well 3D](#) here:

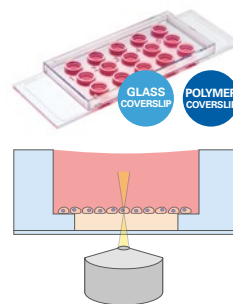
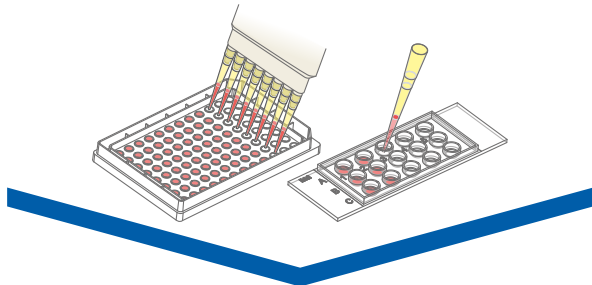


Angiogenesis Assays

Perform Tube Formation, Sprouting Assays, and 3D Cell Culture

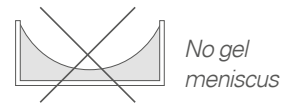
Sample Preparation

Seed your cells on minimal amounts of Matrigel and take advantage of the “well-in-a-well” design



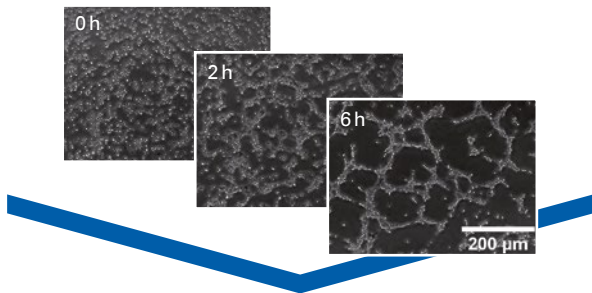
μ-Slide 15 Well 3D

The ibidi “well-in-a-well” technology reduces Matrigel amount to 10 μl per well, and no gel meniscus is formed



Live Cell Imaging

Get brilliant microscopic images in real time under physiological conditions—without gel meniscus

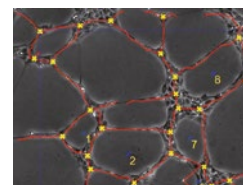
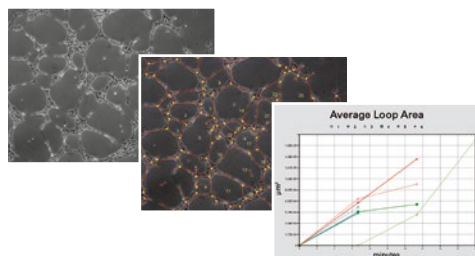


ibidi Stage Top Incubator

Create and maintain a physiological environment with precisely controlled temperature, humidity, CO₂, and O₂.

Data Analysis

Speed up your experimental workflow with quick and reliable automated image analysis



MetaVi Labs

Tube Formation
FastTrack AI Image
Analysis Software

Contact techsupport@ibidi.com to get free analysis jobs for direct testing with your data.

Technical Details

μ-Slide 15 Well 3D / μ-Plate 96 Well 3D	No. 81506 / 89646
Number of wells	15 / 96
Volume inner well	10 μl
Ø inner well	4 mm
Volume upper well	50 / 70 μl
Ø upper well	5 mm
Growth area per inner well	0.125 cm ²
Bottom: ibidi Polymer Coverslip or ibidi Glass Coverslip #1.5H	

Download a detailed
Application Guide at:
ibidi.com/AngioGuide



FREE SAMPLES: ibidi.com/free-samples