

Angiogenesis Assays – At a Glance

(SG 06 – FOR INTERNAL USE ONLY)



#81506
μ-Slide Angiogenesis
ibiTreat



#81501
μ-Slide Angiogenesis
uncoated



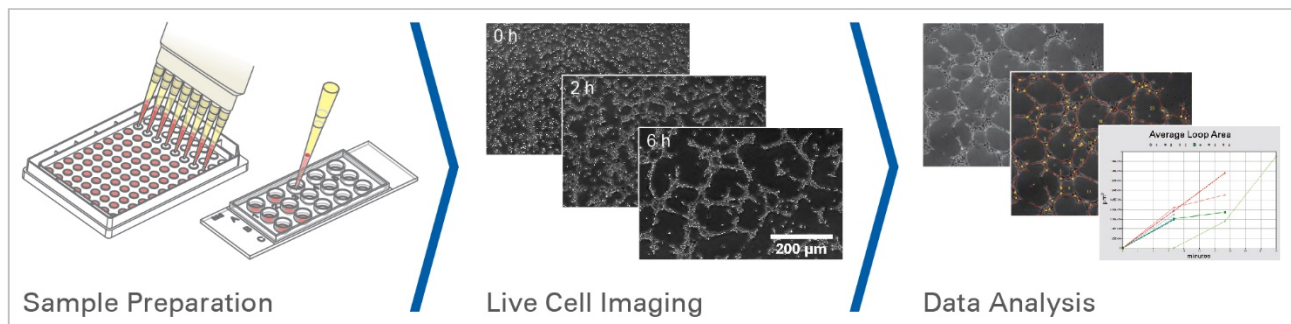
#81507
μ-Slide Angiogenesis
Glass Bottom



#89646
μ-Plate Angiogenesis
96 Well

Angiogenesis describes the process by which blood vessels form from pre-existing vessels. Tube formation assays are used to study this process *in vitro*. The advantages of using the ibidi μ-Slide Angiogenesis and μ-Plate Angiogenesis 96 Well for these assays are:

- Cost-effective, standardized experiments
- No gel/liquid meniscus
- Brilliant visualization
- Complete workflow



Unique Selling Point

A multiwell slide or plate with perfect imaging properties and small volume wells for cost-effective experiments.

Applications

- Tube formation assays on gel matrices (e.g., Matrigel® or ibidi Collagen I, rat tail)
- Sprouting assays
- 3D cell culture
- Invasion assays
- Immunofluorescence stainings
- Experiments with small volumes and expensive reagents

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Features & Benefits

Feature	Benefit
No gel meniscus due to the “well-in-a-well” geometry	Brilliant visualization with all cells in one focal plane
Polymer coverslip bottom	High-resolution imaging and optimal cell culture conditions
Small wells with only 10 µl volume	Save 90% money on Matrigel® Save time by full visualization of a well
Available in a 96 well plate format	High throughput screening
Data analysis with Tube Formation FastTrack AI	Complete solution provider: One supplier for labware, assay, and image analysis (time saving)
Quick and competent support from ibidi experts	Fast assistance for better results

Competition

	ibidi µ-Slide/Plate Angiogenesis	Regular 24, 48, 96 well plates (Greiner Bio-One, Nunc, Merck, Corning, etc.)	Angiogenesis Assay Kit 96 well (PromoKine)
Working principle	Well-in-a-well	Standard wells	Regular wells
No gel meniscus	Yes	No	No
Brilliant visualization	Yes	No	No
Low gel volume	Yes	No	No
Economical use of gel	Yes	No	No
Image analysis solution	Yes	No	No
Costs assay/well	\$	\$\$	\$\$

Keywords for Customer Research

- Cardiology (tube formation, angiogenesis, endothelial cells, blood vessel, aortic ring, sprouting, Matrigel®)
- Oncology (invasion assay, tumor cells, cancer)
- Developmental biology (embryogenesis)
- 3D cell culture in gel matrices (spheroids, organoids, suspension cells, tissue)
- Pharmacology (drug development and screening, toxicology, anti-cancer drugs, angiogenesis blocker)

Probing Questions (When answered with Yes, it's a hot lead!)

- Do you work in oncology or cardiology/vascular biology?
- Do you already perform tube formation assays with standard multiwell plates and have issues with meniscus formation?
- Do you want to reduce your Matrigel consumption to save money?

Cross Selling With

- ibidi Stage Top Incubation System (#10720 or #10722) for live cell imaging
- Collagen I, rat tail for 3D gels (e.g., 50202)
- Tube Formation FastTrack AI Image Analysis (e.g., 32100-250)