

Chemotaxis Assays

Analyze Directed Cell Migration
in 2D and 3D in Real-Time

✓ Complete Solution

From sample preparation to live cell imaging and quantitative data analysis

✓ Long-Term Experiments

Linear and stable chemotactic gradients for over 48 hours

✓ Reproducible Results

Reliable and user-independent data analysis using AI-based software

Applications

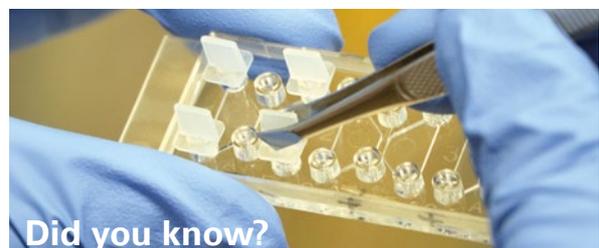
- Migration assays of slow migrating cells (e.g., tumor cells) or fast migrating cells (e.g., immune cells)
- Invasion assays of tumor cells
- 2D and 3D assays of adherent and non-adherent cells



*The **ibidi μ -Slides Chemotaxis** have been **the key to my research** on lymphocyte chemotaxis.*

*These slides have allowed me to **track and visualize** directional motility in lymphocytes.*

*Loïc Dupré, PhD, Purpan University Hospital
Toulouse, France*



Did you know?

ibidi also offers Online Chemotaxis Courses. Check out at:
[ibidi.com/ChemotaxisCourse](https://www.ibidi.com/ChemotaxisCourse)

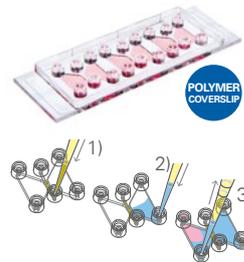
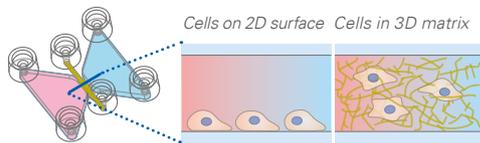


Chemotaxis Assays

Analyze Directed Cell Migration in 2D and 3D in Real-Time

Sample Preparation

Create a precisely defined, stable chemotactic gradient in a reproducible environment



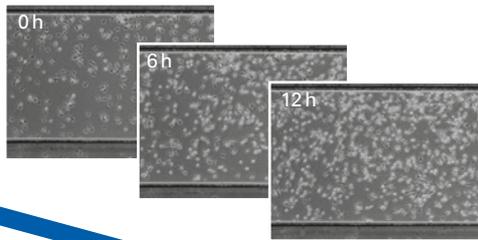
μ-Slide Chemotaxis

Specialized geometry and brilliant optical features

- 1) Seed cells with gel matrix
- 2) Fill with chemoattractant-free medium
- 3) Fill with chemoattractant

Live Cell Imaging

Measure chemotaxis under physiological conditions in real-time

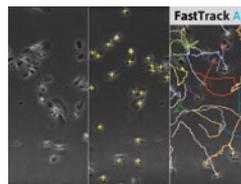
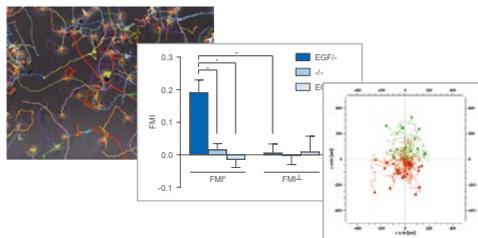


ibidi Stage Top Incubator

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

Data Analysis

Visualize migrational paths and analyze various parameters using machine learning-based software



MetaVi Labs

Chemotaxis
FastTrack AI Image
Analysis Software

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

Technical Details

μ-Slide Chemotaxis	No. 80326
Chemotaxis chambers on slide	3
Volume per chamber	120 μl
Observation area	2 x 1 mm ²
Total height with plugs	12 mm
Volume chemoattractant	30 μl

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



FREE SAMPLES: ibidi.com/free-samples