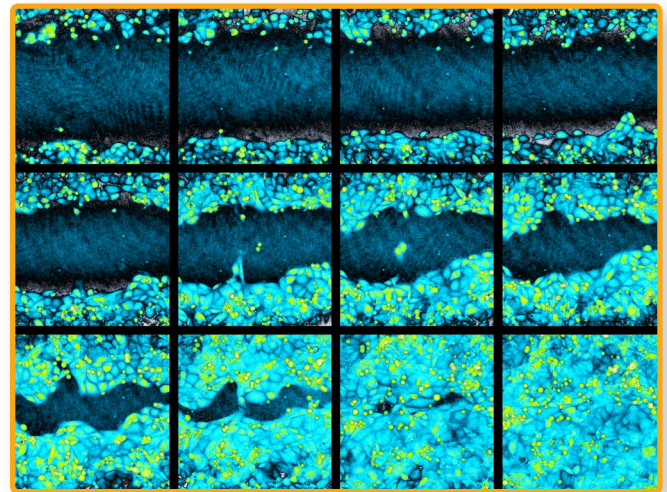


CLOSE THE GAP

Wound healing assays are widely used to mimic the process of cell migration that occurs in vivo during normal or pathological conditions. The **HoloMonitor Wound Healing Assay** reveals data not only on cell population level in terms of gap closure, but also on individual cell level. Cells at the edge of the gap can be tracked and detailed, non-biased data on migration into the wound area easily achieved.

As all HoloMonitor applications, the wound healing assay is based on label-free live-cell imaging using digital holography (QPM – Quantitative Phase Microscopy).



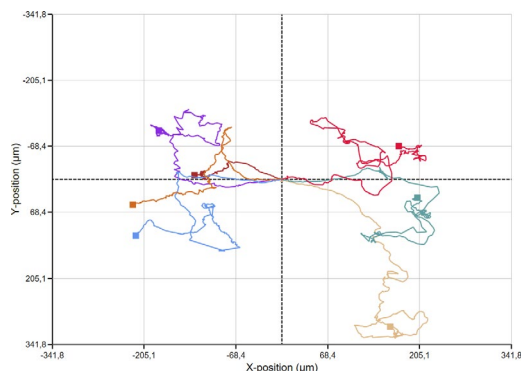
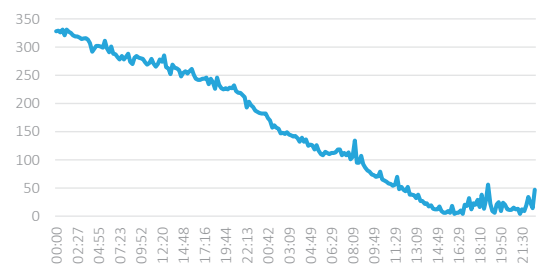
Gap closure over time. Untreated cells are used and the initial gap is created using the [ibidi Culture-Insert 2 Well](#).

DATA ANALYSIS — GET THE WHOLE PICTURE

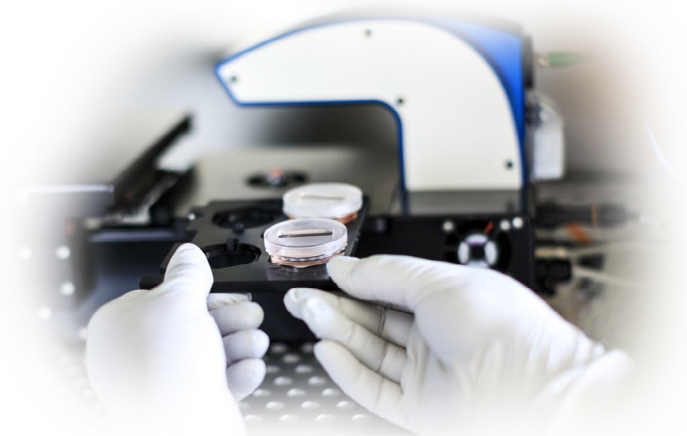
The assay is suitable for adherent cells and enables multi-parameter quantitative data analysis in terms of:

- Cell-friendly wound healing set-up and **label-free** analysis.
- **Time-lapse** videos illustrating how cells migrate into the gap.
- **Kinetic** and **automated** calculation of gap closure over time.
- **Cell front velocity**.
- **Motility and migration** of selected cells at the wound edge.

Gap Width [μm]



Scatter plot showing the direction of cell migration at the left and right edge of the gap, respectively.



Further Information

Further assay information including detailed assay protocol, video and images are available at www.phiab.se/applications/wound-healing.

Ordering & Contact Info

www.phiab.se/contact