

HoloMonitor® App Suite

The Biological Role of Cell Motility

Understanding the movement of cultured cells improves the understanding of cell movement and signaling in living organisms.

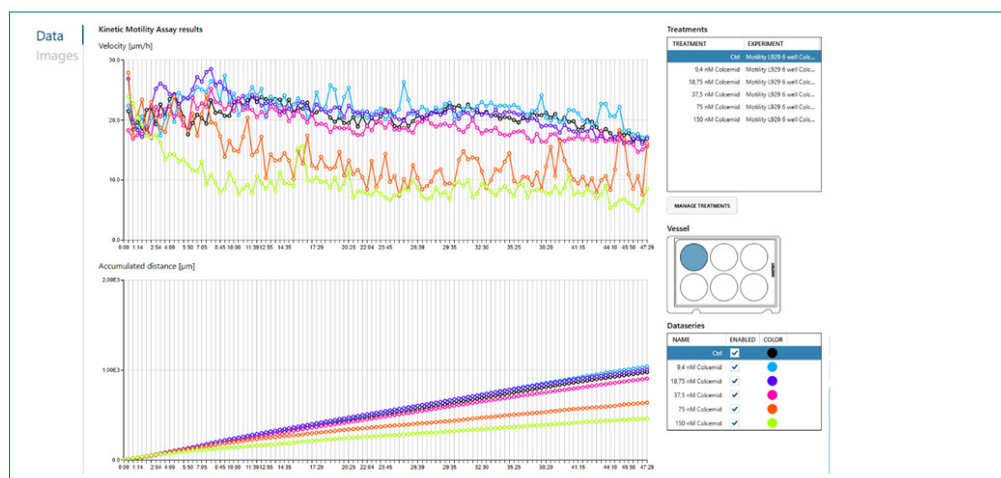
Cell movement is categorized both by non-directional cell motility speed and by directional migration velocity. Motility is regarded as random cell movement, occurring in almost every cell culture, while migration is a response to a cell attractant or repellent.

DESCRIPTION

The HoloMonitor® Motility Assay is designed to explore the average motility of cells in a population and is ideal for studies investigating how various treatments, drug candidates, or environments, influence cell motility over time. The cell motility can be long term analyzed using normal cell growth media and environment, with no labeling, staining or phototoxicity. Motility is assessed in terms of speed kinetics, i.e. average cell speed over time. In addition, the accumulated mean distance, at each time point, is automatically determined by the software.

HOLOMONITOR APP SUITE

HoloMonitor® App Suite is a completely new proprietary software for analysis of images and data generated by the HoloMonitor® M4 base unit. HoloMonitor® App Suite focuses on biological applications and enables researchers within all levels of cell biology to easily perform live-cell studies on various cellular events.



Output measures

Average cell speed (µm/h)

Accumulated mean cell distance (µm)

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