

Pressrelease

Basel, 24. March 2009

Fluorescent Labeled Live Cell Imaging Essen Instruments' new IncuCyte^{FLR}: Phase Contrast plus Single Channel Fluorescence Imaging

With the launch of the IncuCyte^{FLR} System for fluorescent-labeled cells, Essen Instruments introduced a third system for live cell imaging.

IncuCyte^{FLR} incorporates both HD imaging and single-channel fluorescence in addition to two different resolution settings. This configuration is ideal for following live-cell reporters in applications which include stem cell research, co-culture angiogenesis, cell motility and proliferation.



In combination with the HD optics, IncuCyte^{FLR} allows researchers to gather time-lapse images of a fluorescent channel along with high-contrast phase imagery. The IncuCyte^{FLR} is ideal for following fluorescent reporters in live cells from within your incubator. As a demonstration of this utility, Essen Instruments has developed a kinetic proliferation assay using a nuclear GFP tag. With this construct the IncuCyte^{FLR} with its sophisticated software enables discrimination and "counting" of objects such as cells, nuclear area and other related metrics.



With the new IncuCyte^{FLR} Essen Instruments introduced a new kinetic co-culture angiogenesis assay as an easy tool to study anti-cancer drug development.

Like all IncuCyte systems, the IncuCyte^{FLR} is made to fit inside a cell culture incubator accommodating most types of standard cell culture vessels including microplates (up to 384-well), T-flasks and Petri dishes.

In order to arrange for a system demonstration at your lab, simply give us a call. We would be pleased to demonstrate the extended live cell imaging capabilities for fluorescent labeled cells at your lab.

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