

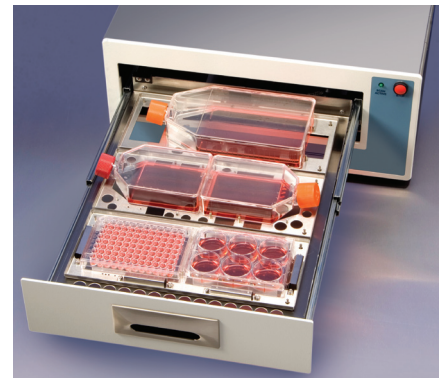
Press Release

Basel, 26. January 2011

GFP-AngioKit™: A Fluorescent Human Co-Culture Angiogenesis Model from Essen Bioscience

Angiogenesis, which is the formation of new blood vessels from pre-existing vessels, is mandatory for tumor growth. Angiogenesis is also involved in other pathological disorders such as psoriasis and macular degeneration.

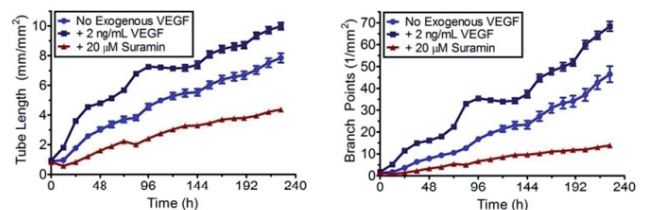
The IncuCyteFLR is the latest imaging system from Essen Bioscience and is designed to enable time-lapse imaging of live-cell fluorescent reporters. The IncuCyteFLR fits inside a cell culture incubator allowing researchers to gather fluorescent and phase contrast time-lapse images around-the-clock. The system is ideal for monitoring processes, which require hours to days such as angiogenesis.



Essen's CellPlayer™ GFP- AngioKit, an in vitro co-culture assay system, recapitulates all stages of the angiogenic cascade, and allows the study of pro- and anti-angiogenic responses. The kinetic method used here is in favor to currently available methods, in that it provides dynamic information not available from end point experiments.

One of the most difficult aspects of an angiogenesis assay is measuring the metrics associated with angiogenic events. Essen Bioscience Angiogenesis Analysis Module quantitates multiple metrics, including tube length, tube area and branch point formation, over the course of each experiment, and has been optimized for providing a kinetic readout. Furthermore, all metrics can be validated by the stored images and movies.

Combining GFP-AngioKits with IncuCyte FLR enables kinetic and quantitative measurements of both the stimulation and inhibition of microvascular tubule formation. This unique combination shows how the GFP-AngioKit, in conjunction with IncuCyte FLR, can be used to screen for drugs affecting all stages of angiogenesis and to dissect signal transduction pathways.



Interested in a system Demo at your lab? Simply give us a call!

Bucher Biotec AG

Viaduktstrasse 42
4051 Basel

Tel.: 061 269 1111
Fax: 061 269 1112

Email: info@bucher.ch
www: <http://www.bucher.ch>