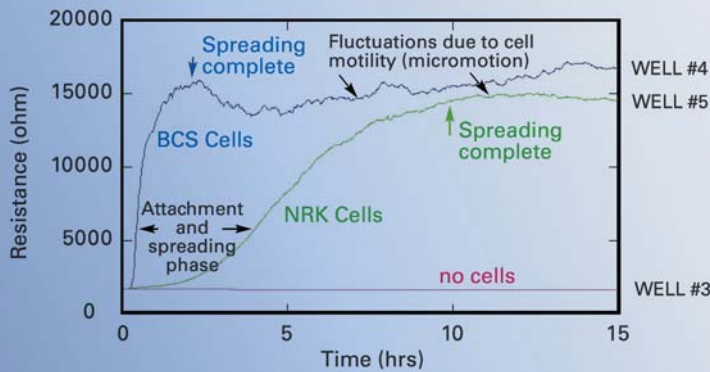


Electric Cell Substrate Impedance Sensing (ECIS™)

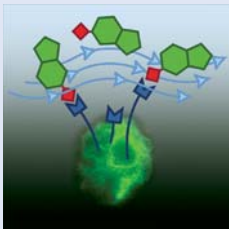
A Morphological Biosensor for Cultured Cells

> Non invasive cell based assays > Multiple, real time measurements

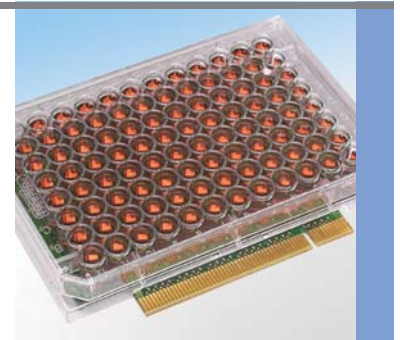


> Toxicological screenings > Wound healing assays > Drug uptake studies

Toxicology and drug screening



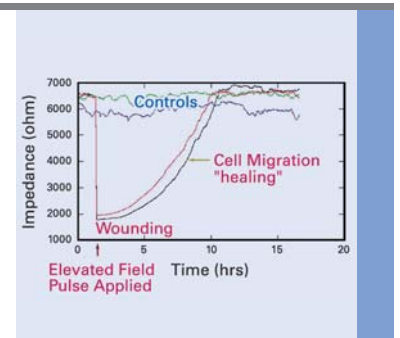
ECIS is a biosensor for cultured cells. Not only can the toxic effects of compound be readily detected, but activation of GPCR can be monitored and cell response followed continuously and in real time. The ECIS 9600 instrument provides higher throughput using a standard 96 well format plate.



Cell migration measurement

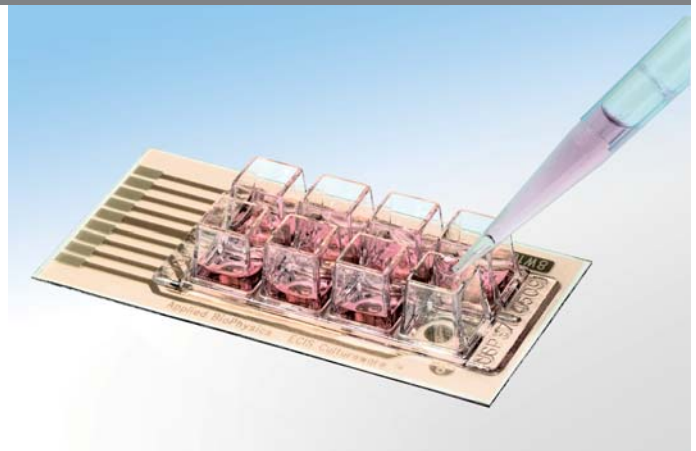


ECIS is an automated method to monitor cell behaviour. An optional Elevated Field Module converts all of the instruments such that the cell migration can be readily quantified. The ECIS wound is very well defined, as it includes only those cells upon the electrode.



ECIS Overview

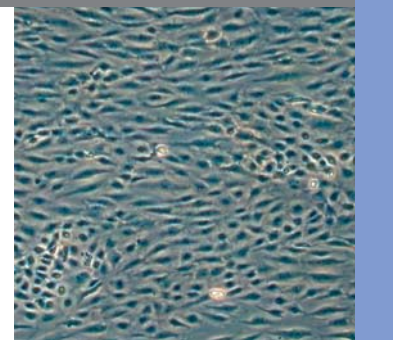
- > Non invasive cell based assays
- > Multiple, real time measurements
- > Toxicological screenings
- > Wound healing assays
- > Drug uptake studies



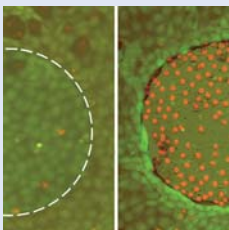
Behavior of cells under flow conditions



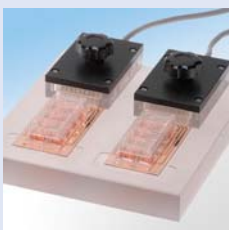
By coupling the ECIS system with the ibidi flow slides one can monitor the behavior of cells in real time under laminar flow conditions. The ECIS 800F and 1600F instruments are designed to both monitor impedance and control flow conditions within the slide.



A variety of other assay have been carried out using ECIS including



- > barrier function of endothelial cell layers
- > cell invasion assays using metastatic cells
- > cell-extracellular matrix interactions
- > chemotaxis
- > cytopathic effects of viral infections and many more.



See www.ibidi.de/products/abp for more details and for a listing of more than **100 peer reviewed publications**.

Product Overview

Product	Model 9600	Model 1600 R	Model 1600	Model 800	Elevated Field Module	Flow Module	Electrode arrays	96-well array electrodes
Price	€ 46.465	€ 36.510	€ 15.780	€ 9.850	€ 3.450	€ 10.000	€ 40	€ 95