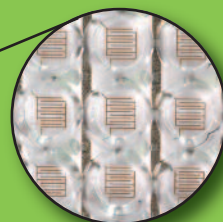




**Applied
BioPhysics**
Quantifying Cell Behavior

CP 96
CELL POPULATION MONITOR

ECIS[®] Cell Population Monitor Measurement System

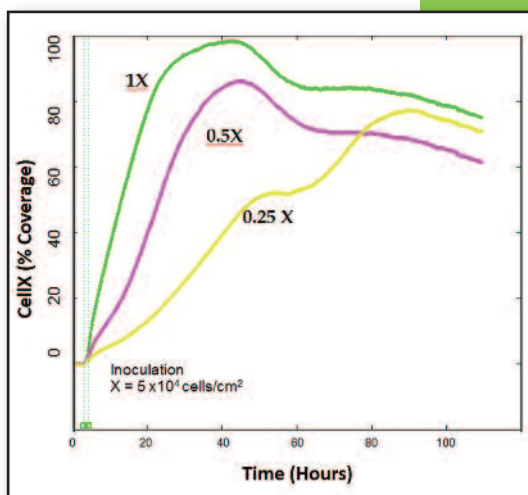


CP96 IDF Microplate Array

Each of the 96 wells has an Inter-digitated finger configuration. The total electrode area used for sensing cell coverage is 4 mm² giving excellent statistical accuracy.

96 Wells, Continuous, Label Free, Automated

- Follow dynamics of cell-substrate coverage
- Study cytotoxic effects of compounds upon cell proliferation or loss of viability
- Calculate EC50 values



www.biophysics.com

CP 96

CELL POPULATION MONITOR

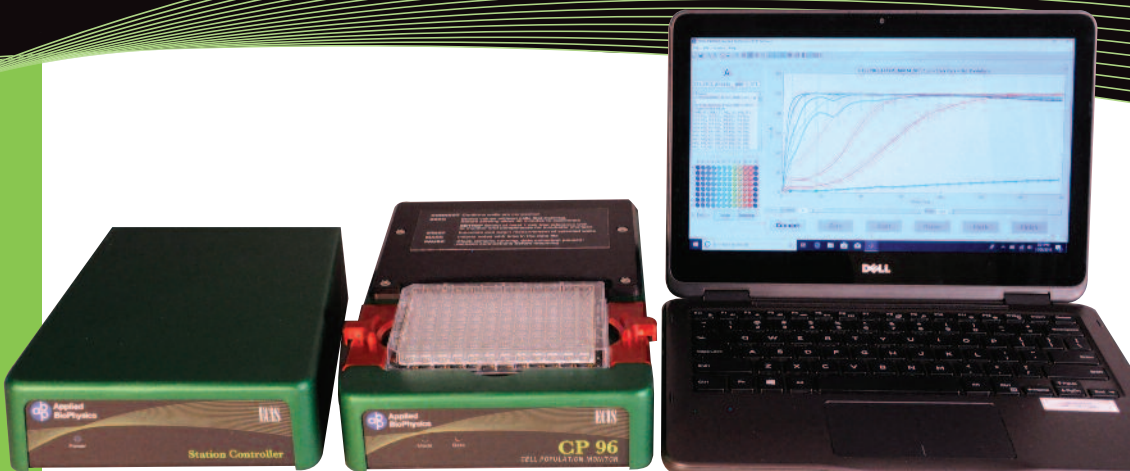
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The complete turn-key CP96 system provides a means to carry out reproducible, label-free, automated cell population measurements. Cells are grown in a normal CO₂ tissue culture incubator, and data are reported as real-time changes in percent cell coverage. The system is based upon the ECIS (Electric Cell-substrate Impedance Sensing) technology where cells are grown upon electrodes carrying very weak AC signals. In the CP96 instrument, the impedance data is automatically analyzed to directly report percent of cell-substrate coverage. These non-invasive measurements can be made for days and even weeks with no need to remove the station from the incubator, eliminating unwanted temperature and pH variations.

Compounds affecting cell behavior can be introduced before or after the cells have covered the substrate to distinguish changes in growth from the cells detaching from the substrate.

User friendly software

- CONNECT** Confirms wells are connected
- ZERO** Stores values without cells (flat-fielding).
- SETREF** Sets reference wells to monitor and compensate for incubator changes
- START** Inoculate filters and begin measurement of selected wells
- MARK** Inserts notes with time in the data file
- PAUSE** Clock remains running, data collection paused-confirm array connections before resuming

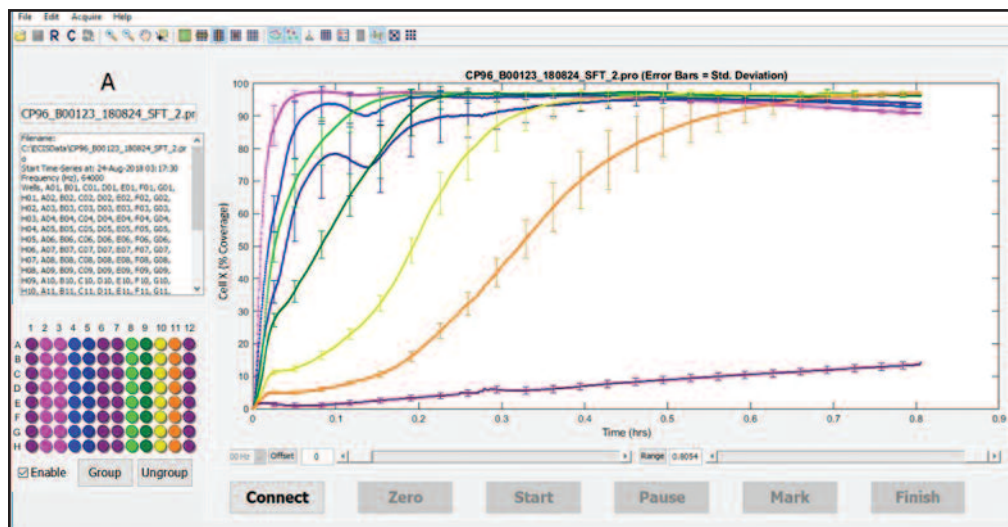


Specifications:

- Measures reactance at 48 kHz
- Power: <10 watt, 120/240 V ac
- Station: 25.5 x 18 x 4.5 cm, 2.3kg
- Controller: 21.5 x 18 x 4.5 cm, 2kg
- Windows 10

System includes:

- 96 channel station
- Station Controller
- Laptop PC
- ECIS control, acquisition, and display software
- Validation test array
- Six 96W20idf consumable electrode arrays



Distributed by:



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