



# FLOWNAMICS®

*Your Bioprocess Sampling Solution*

Autosampling Solution For Cedex®HiRes Cell Analyzers



## Automated On-Line Analysis

The Flownamics Seg-Flow® 4800 coupled with the Cedex HiRes® Analyzer provides automated, on-line cell analysis solutions for advanced bioprocess culture monitoring. The Seg-Flow samples from 1 to 8 vessels/process streams and delivers each sample to the Cedex HiRes®, or up to 4 analyzers. The Seg-Flow system acquires and processes the Cedex HiRes® data to provide real-time information about cell concentration, viability, aggregates and morphological parameters, and provides feed control options for bioprocess cultures. The Seg-Flow's OPC technology provides seamless integration of the data into any OPC-enabled SCADA or bioprocess management system for enhanced bioprocess monitoring and control. The Cedex HiRes® Analyzer, built on Roche technology and expertise, is designed and developed to deliver the testing accuracy, system reliability and operational efficiency needed for the biomanufacturing process.

## Seg-Flow® Features

### Versatility

- User-defined sample size (250 µL to 50 ml), rapid and accurate sampling
- Sample from 1 to 8 vessels (streams) at a time
- Withdraw cell-free and/or cell-containing samples
- 8 analog inputs, 21 analog outputs, 3 RS-232 ports, TCP/IP

### Internal Web Server

- FlowWeb™ controls system internally
- Log data and information for each vessel or stream
- View and control from any PC or smart phone

### Low Maintenance and Operating Cost

- Single-use fluid path from vessel to analyzer

### Small Footprint

- 11"W x 12 1/2"D x 10 1/4"H
- (28.0W x 32.0D x 26.0H cm)

### Simple Setup, Interface and Startup

### Patented Segmented On-line Sampling Technology

- Provides rapid and accurate sampling

### Data Management

- Seamless data integration to various bioprocess management systems via OPC

### Scale-independent Technology

- Lab, pilot and commercial processes

## Cedex® HiRes Cell Analyzer Features

Automated, high resolutions analysis of concentration, viability, and morphological characteristics of cell cultures.

- "Moving Microscope" technology allows for precise and complete view of cell culture.
- User-independent cell and aggregate counting and viability determination
- Automated staining and mixing
- Easy handling of samples to maintain laboratory safety
- High levels of transparency, security and traceability.
- Quickly analyze results using new software features and user-friendly graphical output.



### FlowNamics, Inc

4902 Pflaum Road Madison, WI 53718  
P-608 240 1604 Toll Free 800 932 6989

[sales@flownamics.com](mailto:sales@flownamics.com) [www.flownamics.com](http://www.flownamics.com)

FAI-HiRes-002 RevA  
10182016