

FLOW DYNAMICS®

Your Bioprocess Sampling Solution

Autosampling Solution For Vi-CELL®XR Cell Viability Analyzers



Automated On-Line Analysis

The Flownamics Seg-Flow® 4800 coupled with the Vi-CELL® XR Cell Viability Analyzer provides automated, on-line cell viability analysis using the tryptan blue dye exclusion method. The Seg-Flow samples from 1 to 8 vessels/process streams and delivers each sample to the Vi-CELL®XR, or up to 4 analyzers. The Seg-Flow system acquires and processes the Vi-CELL® XR data to provide real-time cell staining and counting with customizable cell types for process specific needs. 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 Vi-CELL® XR cell counter intelligently distinguishes between live and dead cells for a wide range of cell types and will also distinguish between a cell and a nanoparticle aggregate, giving you an answer that can be trusted.

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

Vi-CELL®XR Cell Viability Analyzer Features

The Vi-CELL® XR provides accurate and reproducible live-dead cell staining and quantitation.

- % Viability
- Total cell concentration
- Total viable cell concentration
- Mean cell size
- Real time cellular images
- Bioprocess monitoring
- Validated reagents
- Convenient reagent pack



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