**Yokogawa Joint Webinar w/ Securecell**

**Title:** Leveraging Data Integration for Automation and Control of Lab-Scale Mammalian Cell Culture Bioprocess

**Abstract:** Bioprocess labs with multiple lab-scale bioreactors often execute several experiments in parallel for research or process development purposes. A critical consideration in biopharmaceutical development is effective data integration of process control, automation, and analytical instruments used in the laboratory.

To create unification of data and processes for labs, Yokogawa Life Business HQ and Securecell have partnered through the unique combination of the Yokogawa BR1000 Advanced Control Bioreactor System and the Securecell Lucullus Process Information Management System (Lucullus®). In this setup, Lucullus assists in the control of three BR1000 bioreactors and studies glucose utilization of CHO cells for optimal monoclonal antibody productivity.

**Highlights include:**

* Features of the Yokogawa BR1000 Advanced Control Bioreactor System for precision glucose-feed regulation
* Capabilities of the Securecell Lucullus® for data integration and customized control of multiple bioprocess instruments including bioreactors and sample analyzers
* Demonstrated synergies of using both technologies in concert and examples of experimental data derived from the integration

**Presenters:**

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| Paul E. Cizdziel, Ph.D. | Kay Eilers |
| * Global Market Development   (Bioprocess Technologies)   * Yokogawa Electric Corporation * Tokyo, Japan * Ph.D. Cancer Biology * MBA. Marketing | * Head of Business Development   (PIMS & PAT)   * Securecell Corporation * Zurich, Switzerland * MSc Biosystems Engineer |
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