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The Science & Business of Biopharmaceuticals

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Single-Use Mixing System

The XDM Quad single-use mixing system from Xcellerex is designed for fast, convenient mixing of buffer, media, product, and other process fluids. The single-use design eliminates the hassle, cost, and delays of SIP/CIP and cleaning validation, resulting in more efficient processing and rapid batch-to-batch turnover time. Born out of Xcellerex's experience in biomanufacturing, the XDM Quad system has many convenient features that simplify day-to-day process applications. The systems are available in polypropylene, stainless steel, and jacketed stainless steel in 100, 200, 500, and 1,000 L sizes.



Xcellerex, Inc., 866.923.5537,
www.xcellerex.com/mix.



Specialized Aflatoxins Testing

Columbia Analytical offers aflatoxins testing in complex food matrices. They use a liquid chromatography tandem mass spectrometry method that provides greater sensitivity and selectivity necessary for the trace analysis. This method is appropriate for showing compliance with the regulatory limits of 4 µg/Kg, the

maximum total aflatoxin content allowed in products for direct human consumption as set by the European Commission. **Columbia Analytical Services, Inc.**, 800.695.7222,
www.caslab.com/aflatoxin.



Single-Use Biomanufacturing System

Sartorius's FlexAct enables biomanufacturers to uses integrated

single-use equipment for entire biomanufacturing steps in upstream and downstream processing. As a full-fledged workstation, FlexAct offers new possibilities for designing efficient and flexible production processes by using out-of-the box disposable unit operations. FlexAct BP is designed for preparing buffers that are essential for stabilizing target molecules and providing for their optimal production conditions. The FlexAct BP system is based on a multifunctional central operating module, which accommodates pre-configured single-use assemblies and, moreover, a pump and a control unit. FlexAct BP addresses the entire development cycle and production capacity needs from 50 to 1,000 L for buffer preparation. **Sartorius Stedim Biotech**, 800.368.7178,
www.sartorius-stedim.com/flexact.

Spotlight on Outsourced Services



cGMP Manufacturing and Lyophilization Services

Therapure Biopharma is a fully integrated biologics contract manufacturer offering a wide range of services including: cell line development, cell banking, analytical development and validation, upstream and downstream process development, process scale-up, clinical- and commercial-scale manufacturing, aseptic fill and

finish, and lyophilization. The fill and finish capabilities can accommodate up to 200-mL fills in vials, syringe fills, and IV bags up to 1,000 mL. Therapure also operates two separate cGMP lyophilization suites. The development-scale 1.1 square meter unit is capable of handling up to 4,000 vials per batch. The newly installed 7.5 square meter commercial scale unit is capable of up to 32,400 units per batch. The company provides formulation development and technical support. **Therapure Biopharma**, 905.570.8653,
www.therapurebio.com.

Interactive Promotional Partner

The emergence of digital channels and non-personal promotion strategies have led many pharmaceutical and biotech companies to rely on

partners like Viscira to meet their evolving marketing and education needs. Viscira provides a variety of innovative interactive solutions such as 3D product animations, interactive medical case studies, and web-based speaker training platforms. Viscira is a leader in revolutionizing how healthcare information is communicated—providing greater message impact and lower costs for clients. **Viscira**, 415.848.8010,
www.viscira.com.

