

FOR IMMEDIATE RELEASE

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ErtelAlsop Launches Unique, Cost-Effective, Single-Use Capsule Suite for Biopharmaceutical Applications

The processing requirements of the biotechnology industry demand efficient, scalable filtration technology. ErtelAlsop has addressed this issue with a comprehensive suite of versatile depth filtration products that simplify testing and scale-up from laboratory, process development, and pilot processes. The MicroCap™ family of disposable capsule filters do not require costly and exhausting changeouts to deliver the on-stream performance necessary for process scale batches ranging from .05 to more than 50 liters. They eliminate the need for expensive, inefficient pooling of multiple batches usually necessary to sustain processing during primary separations/prefiltration, secondary clarification, cell culture harvest, and cell culture clarification.

These disposable capsules offer variations in capsule size, effective filter area, and connection styles to suit laboratory through production batch processing needs. The MicroCap Suite of capsules is offered in 6 different sizes from 23 cm² single-layer/double-layer to 2880 cm² single-layer and 1500 cm² double-layer. They comprise 12 different depth filter media grades ranging from to 0.2 µm to 15 µm for quick and efficient process development and optimization during scale-up and scale-down studies with linear scalability from lab to production scale. These capsules offer low hold-up volumes and reduced post-use rinsing volumes for enhanced product recovery, as well as complete disposability, requiring no cleaning and cleaning validation. According to Scott Anderson, the Product Manager for Single-Use Technologies at ErtelAlsop, "MicroCap capsules offer highly predictable scale-up and can eliminate the need for changeouts during batch processing."

MicroCap capsules are designed to ensure operator safety and minimize product loss. The sealed design of the MicroCap capsules eliminates direct operator handling of fragile filter discs and protects operators from biologically toxic compounds. In addition, depth filter sheets are supported on both the upstream and downstream sides, minimizing the potential for lost product batches caused by high-pressure blowouts.

MicroCap depth filter capsules are available in single and double-layer as well as activated carbon formats. Single-layer formats are effective for processes requiring lower contaminant removal such as high cell viability or low particle size distribution applications. Double-layer formats are better suited for applications containing higher debris loads and particle size distributions typical in modern biopharmaceutical applications. Activated carbon formats are effective for decolorization and odor removal utilizing the adsorptive capability of carbon.

ErtelAlsop has complemented the suite with the MicroCap Laboratory Cabinet designed specifically for the MC1 single-use depth filter capsules (23 cm² effective filtration area). This compact and easily accessible cabinet simplifies filtration and separation research and development trials for process development laboratories.

As part of its MicroCap rollout, ErtelAlsop anticipates complementing the MicroCap Suite with a full size single-use system for large scale batch processing in 2013.

ErtelAlsop

ErtelAlsop is a filtration and separation leader in providing solutions to the broad spectrum of customers in Life Sciences, Food and Beverage, and Industrial markets. The company's uniquely flexible products and services enable process and product efficiencies. ErtelAlsop is a United States based company serving customers worldwide.

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Photos attached:

Photo 1: Group_Scale_Up .jpg

Caption: MicroCap Single-Use Depth Filter Capsules

Photo 2: MicroCap_Horz_Group.jpg

Caption: MicroCap Single-Use Depth Filter Capsules