

## Fine filters



**Amicon Ultra centrifugal filter for ultrafast sample concentration.**

The measurement of specific proteins is important for the diagnosis and management of disease states. In some cases, the proteins of interest are present in low abundance and require concentration prior to clinical laboratory analyses. Millipore's Amicon Ultra-4 **centrifugal filter** (10,000 molecular weight cut-off) unit is designed to provide ultra-fast, high recovery purification and concentration of these proteins. Sample volumes up to 4 ml can be concentrated in as few as 5 min with negligible loss of sample, says Millipore. The device's Ultracel regenerated cellulose membrane minimizes adsorption of macromolecules and provides high recovery of fully functional proteins (typically >90%). Amicon Ultra-4 centrifugal filters are compatible with most rotor types and allow for direct pipettor access to eliminate the need for an extra processing step. The device is available in packs of 8, 24 and 96 filter units, which come assembled with centrifuge tubes and caps.

**Tel. (+1) 1-800-MILLIPORE**  
<http://www.millipore.com/amicon>

## Close shave

Leica Microsystems has a new **ultramicrotome**, the Leica EM UC6 Ultracut, for ultra-thin sectioning and facing of biological samples. Designed with comfort in mind, the Leica EM UC6 is equipped with a stereomicroscope and Ergo-Wedge that allow the instrument to ergonomically adapt to the user's height and position. Eucentric movement of the stereo viewing system allows examination of sections with lower water levels, as well as cryosectioning. The instrument offers fully motorized N-S movement of the knife stage,

which is a prerequisite for the E-W measuring system and AutoTrim function. It comes with a built-in anti-vibration base plate.

**Tel. (+1) 800-248-0123/847-405-0123**  
<http://www.leica-microsystems.com>

## NFκB studies

NFκB is a key factor in the regulation of inflammatory response, apoptosis or tumorigenesis. The new **NFκB reagents and assays** from Panomics offer a complete tool kit to study p50 and p65, and all the important processes they are involved in. Users can analyze NFκB proteins with the company's gel shift, or western blot assays, manipulate NFκB expression with the NFκBCMV expression vectors, profile NFκB interactions with 250 transcription factors (TFs) using Panomics' NFκB-TF interaction arrays, and monitor *in vivo* NFκB transactivation with the TransLucent reporter vectors. His-tagged full-length fusion proteins for NFκB are also available.

**Tel. (+1) 877-726-6642 (USA and Canada)**  
<http://www.panomics.com>

## RNA interference

RNA interference is a new technology that enables the rapid and inexpensive suppression of gene expression. SuperArray Bioscience introduces SureSilencing **siRNA**, a ready-to-use gene-specific tool to make RNA interference work for you. Using a cell-based validation assay, the SureSilencing GATA4 siRNA Kit has been shown to suppress the expression of that gene by at least 70%. Each SureSilencing siRNA kit includes: SureSilencing gene-specific siRNA population to suppress the expression of a specific known gene, negative control siRNA population to normalize assay results for non-specific transfection effects, gene-specific primer pair to verify gene suppression by RT-PCR. The company's product listing (<http://www.superarray.com/siRNAnew.php?ci=357881&md=34&td=134>) currently contains hundreds of genes. Researchers may also search (<http://www.superarray.com/search.php?ci=357881&md=34&td=134>) for a favorite gene in the company's database.

<http://www.superarray.com>

siPORT **siRNA electroporation** buffer from Ambion is intended for delivery of

primary and difficult-to-transfect cells with siRNAs. The company says that siPORT siRNA electroporation buffer offers good viability and knockdown efficiency with a single reagent. It can be used with multiple types of electroporators to ensure highly efficient siRNA delivery into cells while maintaining high cell viability.

**Tel. (+1) 800-888-8804**  
<http://www.ambion.com>

## Data analysis



**Software for CEQ genetic analysis system.**

Beckman Coulter announces CEQ 8800 Software v.9 providing new **tools for advanced genetic data analysis**. The new software is designed to simplify the interpretation of genotype and phenotype information for subsequent association and linkage studies. It also provides tools to view, edit and print pedigrees, as well as to create subgroups for downstream analysis. This new software for the CEQ 8800 system reduces the time required to manage, mine, query and format data, with visualization and graphics functions that allow interactive exploration and enhanced interpretation of data sets. The new package software also formats the data for easy export to standard genetic analysis packages. Part of Beckman Coulter's GenomeLab family of products, the CEQ 8800 automates and integrates the majority of genetic analysis functions into one flexible system that adapts to changes in sample type and complexity. The CEQ 8800 processes two 96-well plates, tracks samples, and features a bar-coding link with the Biomek series liquid handlers, for increased automation.

**Tel. (+1) (800) 742-2345 (US)/**  
**(+1) 714-871-4848**  
<http://www.beckmancoulter.com>