

# Filterrevolution

## Introducing the new Whatman Klari-Flex™ Bottle-Top Filtration System with the revolutionary Drop-Connect Technology

Free up your hand with Whatman Klari-Flex™ Bottle-Top Filtration System. Designed for filter sterilization of liquids such as cell culture media, biological fluids and buffers, the Klari-Flex system includes a stable, low-profile pedestal base with a permanent vacuum hose connection. Drop-Connect Technology requires just one hand to connect unit to base. This feature eliminates a time-consuming and inconvenient step in your process – connecting and disconnecting the vacuum to each filter unit. With Klari-Flex, connect the vacuum once and filter unit after unit.



**Three Flexible Ways of Operation**

- A. Pedestal stand design for maximum convenience
- B. Cradle ring for use with existing lab stands
- C. Adapter for conventional bottle-top filtration



For more information, visit  
[www.whatman.com/KlariFlex.aspx](http://www.whatman.com/KlariFlex.aspx)

I ÄKTA | Amersham | Biacore | IN Cell Analyzer | **Whatman** | GE Service |





### Team Spirit

What do conductors and beekeepers have in common? Leica Microsystems has mapped its corporate values. For more information, visit our website.

## Mr. Hedinger, how do you integrate the user in the team?

According to Andreas Hedinger, engineer and Head of the Industry Division at Leica Microsystems, team spirit needs the strengths of the individual, open doors and ambitious joint goals. These goals can only be attained through the planned integration of users, with direct access to their ideas and needs. They therefore form part of the team and take part in developments: for day-to-day cooperation in a spirit of trust and responsibility.

[www.leica-microsystems.com](http://www.leica-microsystems.com)

## Living up to Life



# Rotor-Gene Q — pure detection



- Enjoy a real-time PCR cycler with outstanding thermal and optical performance
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Discover more at [www.qiagen.com/goto/PureDetection](http://www.qiagen.com/goto/PureDetection).



Sample & Assay Technologies

## Lambda XL

### Extended Life Light Source

The Lambda XL is a broad spectrum, highly stable light source ( $\pm 1\%$  peak-to-peak fluctuations) with an expected lamp life of 10,000 hours. The light intensity can be adjusted to different levels of attenuation and the liquid light guide connection assures output uniformity in the field of view.

#### FEATURES

- 10,000 hour expected life
- Highly stable
- No high-voltage pulse
- No alignment necessary
- Built-in driver for filter wheel and shutter
- Adaptable to most microscopes



SUTTER INSTRUMENT

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## GrantsNet.

The first comprehensive  
science grants database.

GrantsNet is expanding its listings of some 900 funding programs from private foundations and not-for-profit organizations to include 400 to 500 new entries from the grants.gov site.

**This provides the first comprehensive database of funding opportunities** to research scientists and administrators, career counselors, financial aid specialists, and undergraduate and graduate students.

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**www.grantsnet.org**

Science Careers

From the journal *Science* AAAS

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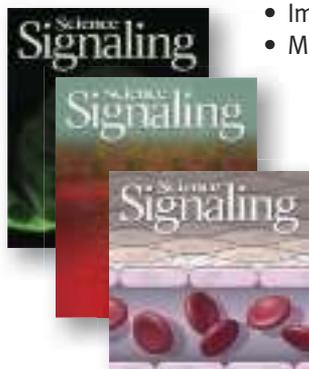
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## NEW PRODUCTS



## MOBILITY INSTRUMENT

The Mobius mobility instrument incorporates several patent-pending innovations to realize fast and reliable measurement of macromolecular electrophoretic mobilities. In addition to measuring mobilities of large particles such as liposomes and virus-like particles, this laser-based instrument achieves reproducible measurements of traditionally challenging protein samples, including antibody formulations, bovine serum albumin, and lysozyme. It is designed to measure protein mobilities rather than particulates. In colloidal suspensions, the amount of charge and screening developed at the interfaces between particles and media are important in determining the formulation stability. For many biomolecules such as proteins, electrostatic interactions also exercise a profound influence on the conformations and functions. Because direct measurement of the interfacial potential is rarely feasible, the electrophoretic mobility has become the most widely accepted proxy for molecular charge.

Wyatt Technology

For info: 805-681-9009 | [www.wyatt.com](http://www.wyatt.com)

## OLIGONUCLEOTIDE ANALYSIS

The Clarity Oligo-MS columns are for rapid and efficient liquid chromatography–mass spectroscopy (LC-MS) characterization and quality control of synthetic RNA and DNA. Based on the manufacturer's core-shell particle technology, the new C18 columns deliver significantly shorter run times than traditional media, along with increased resolution and sensitivity. With the high resolving power of Clarity Oligo-MS, impurities in complex synthetic mixtures can be separated from the peak of interest in less than 10 minutes. These new columns are packed with either 2.6  $\mu\text{m}$  or 1.7  $\mu\text{m}$  particles, enabling high efficiency on any high-performance LC or ultrahigh-performance LC (UHPLC) platform. The 2.6  $\mu\text{m}$  columns operate at reduced backpressures compared with other oligonucleotide-specific columns, delivering UHPLC performance on any LC instrument, and methods are easily transferable. The 1.7  $\mu\text{m}$  columns boost the performance of existing sub-2  $\mu\text{m}$  methods on high-pressure systems.

Phenomenex

For info: 310-212-0555 | [www.phenomenex.com](http://www.phenomenex.com)

## DENSITY AND REFRACTIVE INDEX METERS

The LiquiPhysics Excellence density meters and refractometers are simple to operate, sophisticated, and secure, making them suitable tools for compliance with the many regulatory demands of the pharmaceutical industry. The One Click user interface allows quick, simple, and direct access to all routine tasks and provides clear user information with easy shortcut buttons to start routine tasks immediately. The modular design facilitates the combined measurements of density with refractive index, color, and/or pH and conductivity. Powerful sampling and automation units can entirely automate measurements, thoroughly clean the instrument, and use certified combined liquid reference materials. Its software offers smooth and seamless integration with a laboratory information management system by organizing comprehensive sample lists containing all relevant data in order to automate quality control processes.

Mettler Toledo

For info: 800-638-8537 | [www.mt.com/LiquiPhysics](http://www.mt.com/LiquiPhysics)

## PROCESS-CONTROL SENSORS

ARC sensors, designed for pH, dissolved oxygen, and conductivity measurements, feature a built-in microprocessor that can communicate with standard analog (4-20A) and digital ModBus interfaces and are safe to sterilize with autoclave, CIP, and SIP. The ARC View Handheld provides a local display configured with ARC Wi wireless communication, allowing users mobility while monitoring data from multiple sensors. Three ARC package options are offered: ARC Vital allows customers to communicate simply via analog or digital communication and without the use of a transmitter; the enhanced ARC Versa system combines the reliability of ARC Vital with the convenience of wireless communication; and the top-of-the-line ARC Vision system incorporates digital technology that enables creation of wired or wireless sensor networks.

Hamilton Company

For info: 800-648-5950 | [www.hamiltoncompany.com](http://www.hamiltoncompany.com)

## NUCLEIC ACID ANALYSIS

The MassArray Analyzer 4 mass spectrometry system is a high-performance nucleic acid analysis platform designed to meet the demand for a benchtop instrument with flexibility across multiple applications, improved reliability, and faster performance. With the capability for quantitative gene expression analysis and epigenetic nucleic acid methylation analysis, as well as high throughput genotyping and single nucleotide polymorphism fine mapping applications, the analyzer is designed to empower the basic and translational research community to advance findings from basic genetic and biomarker studies toward clinical utility in diagnosis, prognosis, and monitoring of disease. The system is configured to provide increased throughput, faster time-to-results, and the ability to cost-effectively run from tens to thousands of samples daily, making it suitable for use in basic and translational research.

Sequenom

For info: 877-443-6663 | [www.sequenom.com](http://www.sequenom.com)

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**Jill C. Perla**

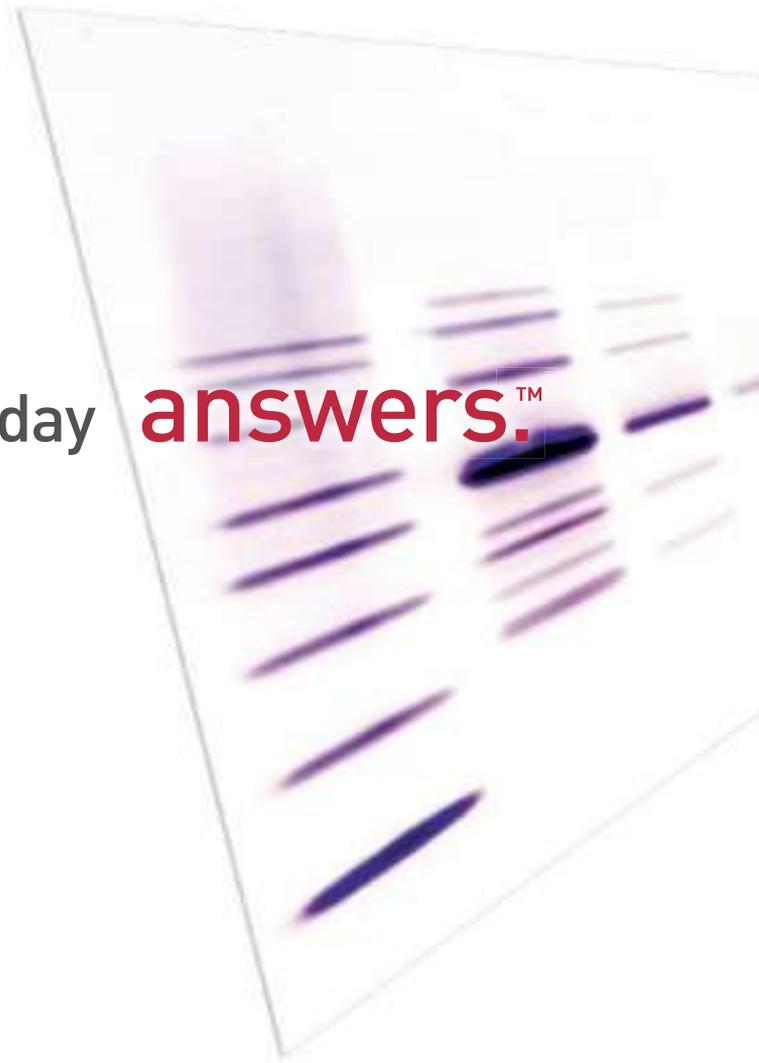
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