Sample Sealer
Porvair Sciences' Autocapper is a versatile electronic applicator that enables friction sample seals to be quickly and securely applied to both microplates and microtube racks. The simplicity of the Autocapper design, which features a drawer to hold your microplate and cap mat, ensures highly reliable, durable sample sealing over many years' service. Incorporating a powerful motor, the Autocapper can apply sufficient force to fit cap mats of varying materials to most commercially available deep-well plates. A special feature is its ability to apply sealing caps to 96-position barcoded microtube racks, accurately and reproducibly, giving a high-integrity seal every time. The unit can be bolted down to a bench for extra stability, and adaptors are also available to allow sealing of shallow-well plates.

Porvair Sciences
For info: +44-(0)-1978-666222
www.porvair-sciences.com

Ultraviolet Spectral Test System
McPherson's vacuum ultraviolet spectral test system (VUV-STS) measures reflectance as a function of angle of incidence. It helps users test materials, multilayers, and coatings "at wavelength" in applications like attosecond and high-harmonic generation spectroscopy, optical design for space applications, wavelength calibration, and thin-film coating design. The system uses special techniques for measuring nonpolarized light and works in the 30-nm to 160-nm wavelength region. The VUV-STS is a 1-meter grazing incidence monochromator efficiently coupled to a windowless hollow-cathode light source. The sample chamber is mechanically stiff and mounted in widely spaced and well-supported bearings. Samples can rotate in two incident planes while under vacuum. Noncycling vacuum improves the quality of measurements. Other features include a low-noise, high-gain scintillated photomultiplier detector, and easy-to-use rotation setting and data acquisition software.

McPherson
For info: 978-256-4512
www.mcpheersoninc.com

Single Photon Counting Module
The Excelitas SPCM-NIR is a single photon counting module specifically selected and performance-optimized for the near-infrared (NIR) wavelength spectrum. This device is designed to support applications such as long-range Light Detection and Ranging (LiDAR), quantum communication, and microscopy. It uses a specially selected silicon avalanche photodiode [superlow k, (SLIK)] with peak single photon detection efficiency at 780 nm, typically better than 73%, while maintaining uniformity over a 180-μm diameter active area. The unit features gated output and a single 5-V power supply, and offers linearity over a high count rate. Its peak light intensity is 104 photons per pulse, with pulse width <1 ns. Each module is supplied with test data indicating the module's actual dark count, dead time, pulse width, photon detection efficiency, and linearity correction factor.

Excelitas Technologies
For info: 800-775-6786
www.excelitas.com

Flow Cytometry Panel Design
The difficult and time-consuming task of designing a flow cytometry panel just got easier, due to the BD Horizon Guided Panel Solution (GPS) software. This online tool guides researchers for reagent selection through panel design with preventative alerts to potentially reduce iterations, saving time and money. It will help you streamline the panel design process and avoid reagent selections that may negatively affect population resolution. There are many factors to consider when designing a panel, such as instrument configuration, fluorochrome brightness, spectral overlap, antigen density, and coexpression and reagent availability. In order to use the tool, you will need to have an account on the BD Biosciences website; this will allow you to save and manage panels to your account. BD Horizon GPS is available for you to use for free and without further obligation.

BD Biosciences
For info: 877-232-8995
wwwbdbiosciences.com

Chlamydia pneumoniae Monoclonal Antibodies
*Chlamydia pneumoniae* is a gram-negative bacterium that infects humans and commonly causes pharyngitis, bronchitis, and atypical pneumonia. It is also implicated in coronary artery disease. *C. pneumoniae* is an obligate intracellular pathogen whose resistant elementary-body form exists between human and animal hosts. As such, cell culture is required to isolate it. ViroStat has introduced three new monoclonal antibodies that are specific to *C. pneumoniae* and do not cross-react with the related *C. trachomatis* and *C. psittaci*. They function in ELISAs and immunofluorescence assays and are candidates for rapid test applications.

ViroStat
For info: 207-856-6620
www.virostat-inc.com

Magnetic Bead Extraction Platform
EXTRACTMAN offers a faster, gentler magnetic mixing approach to isolating target proteins and is ideal for isolating elusive, weakly bound protein complexes critical to protein interaction research. Save time by isolating up to four samples in parallel. Exclusion-based Sample Preparation (ESP) technology isolates proteins while keeping the remaining sample intact for further study; ESP magnetic bead technology purifies samples faster than resins and columns. Gentle wash and fast isolation allows purification of protein complexes that are usually washed away. EXTRACTMAN is ergonomic and easy to use—just slide the handle to isolate proteins.

Gilson
For info: 800-445-7661
www.gilson.com

Newly offered instrumentation, apparatus, and laboratory materials of interest to researchers in all disciplines in academic, industrial, and governmental organizations are featured in this space. Emphasis is given to purpose, chief characteristics, and availability of products and materials. Endorsement by Science or AAAS of any products or materials mentioned is not implied. Additional information may be obtained from the manufacturer or supplier.