Borosilicate Filter Products

The Robu VitraPOR borosilicate glass filter products offer high chemical resistance, minimal thermal expansion, and high thermal shock resistance. They are suitable for use in chemical, biochemical, pharmaceutical, and laboratory applications. Standard fritted disks are available in rounded shapes from 5 mm to 400 mm diameters. They are also available in precision ground and fused edge configurations. Filter candles are available in cylindrical or conical shapes from 9 mm to 40 mm in diameter. Custom filters can be provided in any shape up to 400 mm, in almost any thickness. Any cylindrical or conical filter candle can be produced to customer design. They are available in porosities ranging from 1 µm to 550 µm.

**Andrews Glass Co.** For information 800-845-0026
www.andrews-glass.com

GC Column Installation

The Cool-Lock Nut simplifies gas chromatography (GC) column installation and eliminates the need for wrenches and other tools. The low thermal mass design allows the Cool-Lock Nut to cool rapidly, preventing users from burning their fingers during column changes. Other design elements prevent the column from slipping to ensure a more reproducible depth for improved method accuracy. The nut is designed for use with Agilent Technologies' GC instruments and works with all standard GC columns. It is available in both long and short ferrule style dimensions and can be used over and over.

**Phenomenex** For information 310-212-0555
www.phenomenex.com

Cell Behavior Monitoring

ECIS (electric cell-substrate impedance sensing) measurement non-invasively follows the impedance of cell-coated electrodes in real time with-out the use of fluorescence or radiolabeled materials. In the past, ECIS researchers were restricted to monitoring cells grown at the base of standard tissue culture wells. Now cells can be grown in special disposable flow arrays, where cells are cultured on the floor of a flow channel that is 44 mm high and 0.5 cm wide. Eight independent measuring electrodes, located along the 5 cm length of the channel, monitor cell behavior and its response to changing flow conditions. The flow array can be used with all ECIS models and fits neatly into the standard array holder. To support this flow array, a complete flow module is designed to interface with the ECIS 1600R and ECIS 1600/800 systems. This module includes a peristaltic pump designed to operate within the high humidity of a tissue culture incubator along with medium reservoirs, a flow equalizer, tubing, fittings, and a start-up supply of flow arrays.

**Applied BioPhysics** For information 8666-301-3247 www.biophysics.com

Transcription Kit

The AmpliScribe T7-Flash Transcription Kit produces a high yield of RNA from an in vitro transcription reaction in a short time. The 30-minute AmpliScribe T7-Flash reaction produces 160–180 µg of RNA from 1 µg of DNA template—more RNA than some kits produce in two hours. High yields of full-length transcripts are readily obtained from a wide range of DNA template sizes.

**Epicentre Biotechnologies** For information 800-284-8474 www.EpiBio.com/flash.asp

Gel Permeation Chromatography

The Viscotek Model 350 High Temperature Gel Permeation Chromatography (HT-GPC) System is designed for the characterization of polyolefins and other synthetic polymers that are soluble only at elevated temperatures. The system provides absolute molecular weight without extrapolation or correction, molecular size, and intrinsic viscosity, as well as information on branching, structure, and aggregation in a single experiment. The system can also be configured with an infrared detector for short-chain branching analysis or an ultraviolet/visible detector for copolymer compositional analysis. The system includes a high temperature triple detector array, an automated sample preparation and delivery system, a pulseless isocratic pump, and a degasser. The system combines low-angle light-scattering with viscometry and concentration for complete and comprehensive macromolecular characterization. All detectors reside within a temperature-controlled oven compartment that has space for four analytical GPC columns.

**Viscotek Europe** For information +44 1344 467180 www.viscotek.com

Fractionation Reagent

Fraction-FOCUS makes use of proven technology to fractionate and concentrate all proteomes into multiple fractions, simplifying two-dimensional maps and enhancing detection of low abundant proteins. There is no detectable loss of total protein during the procedure. At the end of the fractionation, cellular proteins are in one of many fractions. The entire fractionation is carried out in micro-scale. It is compatible with all downstream protein identification techniques.

**G-Biosciences/Genotech** For information 800-628-7730 www.GBiosciences.com

Benchtop Ultracentrifuge

The Optima MAX-XP benchtop ultracentrifuge delivers fast run times of up to 150,000 rpm (2,500 revolutions per second) and is exceptionally quiet. The new MLA-150 fixed-angle rotor has a low k-factor for rapid separation of small volumes such as subcellular particles, viruses, and proteins. The Optima MAX-XP features redesigned software with significant ease-of-use enhancements. The user interface is intuitive and customizable with control via a full-color touch screen. Optional remote monitoring and control of the system is also available. It is offered with multiple levels of biocontainment and is designed to fit in a standard biosafety hood.

**Beckman Coulter** For information 714-993-8955 www.beckmancoulter.com

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