



Reusable Capmats

Porvair Sciences announces a new range of 96-well (square and round) capmats made from 100% pure silicone conditioned for low bleed and ease of needle penetration when used with autosamplers. These silicone capmats reseal after each piercing and may be repierced many times without loss of function. Specially treated with a polytetrafluoroethylene (PTFE) coating, they offer increased chemical resistance, thereby maintaining high sample integrity even

over extended periods of time. Resistant to organic solvents including ethanol, methanol, DMSO, and DMF, these flexible capmats individually seal the top of each microplate well, reducing the chance of well-to-well sample contamination to near zero. Stable over a wide temperature range, they may be autoclaved clean at 120°C or used to provide high-integrity storage down to -70°C.

Porvair Sciences

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

Synthetic Oligonucleotides Chromatography Columns

Two new particle chemistries are available for the characterization and purification of synthetic oligonucleotides: Clarity Oligo-XT, for high-efficiency reversed-phase liquid chromatography (LC) analysis and purification, and Clarity Oligo-SAX, a high-resolution strong anion exchanger (SAX) for characterization. Synthetic oligonucleotides are novel agents for the treatment of disease. LC continues to be an effective tool for characterization, with technology advancements that address improvements in resolution, throughput, and column lifetime. Clarity Oligo-XT C18 columns (1.7 μm , 2.6 μm , and 5 μm) feature novel, robust core-shell media, for high-efficiency reversed-phase characterization of synthetic DNA and RNA, pH stability from 1 to 12, and increased sensitivity that improves quantitation by mass spectrometry. Clarity Oligo-SAX 5- μm columns feature an entirely new, rugged nonporous particle that retains synthetic oligonucleotides through strong ion-exchange mechanisms. These quaternary amine-functionalized, nonporous particles are engineered for performance at high pH (2.5 to 12.5) and temperatures up to 85°C.

Phenomenex

For info: 310-212-0555
www.phenomenex.com

UV Products

The UV products division of Herolab has a number of key products that are used in life science and general laboratories as well as industrial applications. These products include an extensive selection of UV and blue-light transilluminators—in fact, Herolab makes over 100 different versions, all manufactured to a very high standard and offering a choice of wavelength and filter size and material. There really is a solution for everybody when choosing the right transilluminator. When it comes to hand lamps, the range starts with small benchtop lamps and goes all the way up to larger, industrial-size germicidal lamps. A wide range of lamp power and wavelengths is available, covering short-, medium-, and long-wave UV. Herolab also offers PCR workstations and crosslinkers with a choice of features and sizes to meet all requirements.

Herolab

For info: +44-(0)-1223-515440
www.herolab.de

Motorized Focus Stand

The ProZ motorized focus stand from Prior Scientific is the ideal solution for viewing and imaging of samples that may be too large, or irregularly shaped, to be fitted onto a standard microscope frame or stand, but still require superior imaging. Accommodating the optical head of high-quality zoom, stereo, and compound microscopes such as the Nikon AZ100, SMZ25, and Ni Series, or the Olympus MVX10, SZX2, and BX models, the ProZ stand enables imaging of samples that until now could not be easily analyzed. The ProZ uniquely combines large-focus travel movement with precise encoded resolution (0.25 μm). Designed to securely accommodate components weighing up to 23 kg, the ProZ can be mounted onto a range of bases or bolted straight onto an optical table. For even greater precision in the Z axis, a motorized focusing block can be added to the system.

Prior Scientific

For info: +44-(0)-1223-881711
www.prior-scientific.co.uk

Laser-Driven Light Source

Based on the highly successful Laser-Driven Light Source (LDLS) technology, the EQ-77 offers high radiance and irradiance from a truly broadband white-light source. It features a compact lamp house, with clean construction that ensures long life and ultimate stability. With a wavelength range from 170 nm in the deep ultraviolet to >2 μm in the near infrared, and a choice of dual-beam or single-beam output with retroreflector, the EQ-77 is flexible enough for a wide variety of applications, including semiconductor and optical sensor metrology, advanced spectroscopy and imaging, and photoemission electron microscopy.

Energetiq Technology

For info: 781-939-0763
www.energetiq.com

384-Well Glass Bottom Plates

MatTek 384-well glass bottom plates are ideal for high-quality, high-throughput performance applications where low autofluorescence and exceptional optical clarity are needed. These plates minimize backscattered light/background fluorescence and eliminate well-to-well crosstalk. Transmission measurements are possible in the wavelength range above 340 nm. They can be used for high-resolution imaging, sensitive fluorescence, and confocal microscopy.

MatTek

For info: 508-881-6771
www.mattek.com

Twin-Screw Extruder

Formulation scientists in pharmaceutical companies can benefit from a robust hybrid, twin-screw extruder that quickly switches between hot-melt extrusion and continuous twin-screw granulation, providing a comprehensive formulation development platform for drug delivery and continuous processing projects. The Pharma 16 Twin-Screw Extruder is designed for flexibility and a reduction in cycle time. Traditionally, switching out an extruder system from hot-melt processing to granulation required considerable downtime and extensive reconfiguration with manufacturer support. However, the Pharma 16 can be adapted with ease, significantly reducing associated costs as compared to other twin-screw extruders. Twin-screw extruders play a major role as pharmaceutical companies move from batch- to continuous-processing methods to improve operational efficiency and product quality. The compact Pharma 16 is designed specifically for the pharmaceutical industry, where lab and production space are at a premium.

Thermo Fisher Scientific

For info: 800-955-6288
www.thermofisher.com

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Science

New Products

Science **356** (6337), 547.
DOI: 10.1126/science.356.6337.547

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Science (print ISSN 0036-8075; online ISSN 1095-9203) is published by the American Association for the Advancement of Science, 1200 New York Avenue NW, Washington, DC 20005. The title *Science* is a registered trademark of AAAS.

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