Electrophoresis Systems
Two new gel systems are suited for high-throughput electrophoresis of polymerase chain reaction (PCR) products from 96-well microtiter plates. The compact CSL multiSUB Midi 96 system is designed to be used in conjunction with samples from 96-well plates to allow direct loading and easy identification of samples. The run length between samples is 17 mm. The multiSUB MIDI96 stretch has a run length of 34 mm for extended separations. With an average run-time of just 15 to 30 minutes, the Midi 96 version allows rapid identification of samples. The eight-channel pipettes facilitate sample loading. Two comb types are available, one with eight wells plus an additional lane for DNA markers and one with eight wells plus two lanes for markers. Custom-made combs are also available. The buffer volume of the Midi 96 is just 300 ml, which can be reduced to 200 ml by using buffer saver blocks.

Cleaver Scientific
For information +44-(0)-1788-565-300
www.cleaverscientific.com

Tissue Culture Plates
A new product line features tissue culture plates coated with a selection of matrices that enhance cell growth and differentiation for stem cell, cancer, cell signaling, and other research applications. Millicat Cultureware products are 6-well or 24-well tissue culture plates coated with either extracellular matrix (ECM) proteins or synthetic coatings, including collagen, fibronectin, and poly-D-lysine. ECM proteins provide a substrate necessary for many fastidious cells to attach to a surface. Studies show that anchorage-dependent cells growing on ECM undergo more efficient plating, have higher proliferation rates, reach a higher density, require lower serum and growth factor concentrations, and demonstrate enhanced differentiation potential. ECM helps with in vitro cell culture because it simulates aspects of the normal three-dimensional cellular environment.

Millipore
For information 978-762-5170
www.millipore.com

Automated Dispensing
Fill-It is a new product for rapidly dispensing cell suspensions and other liquids into screw-cap vials, including automatically removing and replacing vial caps. It can be coupled with Overlord 2 and the PAA Scara robot to fully automate filling of capped vials. Fill-It enables the rapid creation of high-quality, consistent stock vials for centralized cell-line laboratories, screening operations, or production cell banks, and can be used with both mammalian and microbial cell suspensions. The integrated Scara robot allows loading of vial racks for high-throughput automation and the integration of additional instruments from the extensive range of Overlord drivers. Overlord 2 software provides a simple control interface that can interact with any database.

The Automation Partnership
For information +44-(0)-1252-37300
www.automationpartnership.com

Parallel Research System
The Synthesis 1 can be configured for parallel solid and liquid phase synthesis as well as multiple evaporation experiments. Interchangeable plug and play reaction blocks enable the user to quickly configure Synthesis 1 to perform a wide range of applications. Up to 24 reaction vessels can be accommodated in four separate heating zones, making the system suitable for reaction optimization experiments. Direct, in-vessel sample temperature feedback from each zone ensures temperature control within 1°C. Temperatures can be set anywhere from -80°C to 160°C. Unattended operation is aided by a process timer and ability to perform automatic ramping experiments with up to nine programmable steps. Sample mixing is performed by frequency-controlled shaking at speeds from 100 to 1,000 rpm. A connection for vacuum and inert gas supply allows reactions to be run under an inert atmosphere.

Heidolph UK
For information +44-1799-513320
www.heidolph-uk.co.uk

High Throughput HPLC System
The ExpressHT-Ultra HPLC (high performance liquid chromatography) system provides short cycle times and high throughput for liquid chromatography/mass spectrometry studies of pharmacokinetics and drug metabolism. With cycle times as short as 60 seconds, the ExpressHT-Ulra can run six 96-well sample plates overnight. Running at a maximum pressure of 10,000 psi, the system enables the use of small-particle stationary phases to deliver narrow peaks to the mass spectrometer. Featuring columns with diameters of 1 mm or smaller, the system uses up to 95 percent less solvent per analysis than traditional HPLC systems. Proprietary microfluidic flow control technology generates reproducible flow rates from nanoliters per minute to hundreds of microliters per minute.

Eksigent
For information 925-560-2628
www.eksigent.com

Molecular Modeling Software
FieldAlign and FieldTemplater are designed for molecular modelers and medicinal chemists who want to discover new ligands against a wide range of drug targets, including targets with no X-ray structural data, such as 3-coupled protein receptors. Both products accept two-dimensional chemical sketches of compounds as inputs. The products feature proven Field Point technology to describe molecules of interest and suggest which molecules to make next. FieldAlign aligns molecules to a three-dimensional field template created from an active molecule. The molecules the user is considering synthesizing can be entered in two dimensions. FieldTemplater finds the three-dimensional bioactive conformation from known active compounds. Three active compounds are all that is needed to get started.

CambridgeSoft
For information 800-315-7300
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