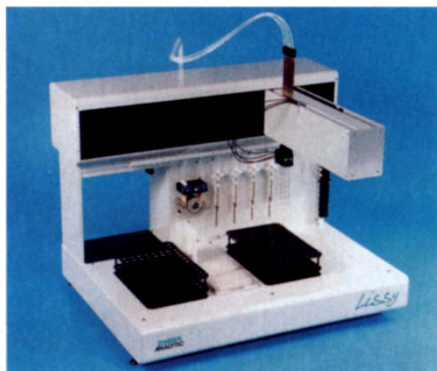


NEW PRODUCTS

Automation & robotics



Liquid sampling

The LISSY robotic liquid sampling system from Zinsser Analytic (Frankfurt am Main, Germany) can perform up to 1500 pipetting steps per hour, using four sampling tips to pipette from tube to tube or from tube to microplate. LISSY's basic software can be enhanced with specific application modules to control a range of functions, including predilution and serial dilution steps and adding reagents.

Tel: +49 69 789 10 60

Fax: +49 69 789 10 68 0

RSN: 1000

Dissolution testing

The new Waters Tablet Processing System, WTPS Version 2.0, from Waters SA (St. Quentin-en-Yvelines, France) automates the content uniformity and composite assay testing processes for solid dosage forms. WTPS controls and documents tablet analysis and produces summary reports for regulatory compliance. New features include sample transfer filter options for removing excipients prior to dilution and vial filling options for use with 4 ml and 2 ml vials for HPLC autosamplers.

Tel: +331 30 48 72 00

Fax: +331 30 48 72 11

RSN: 1001



DNA sequencing system

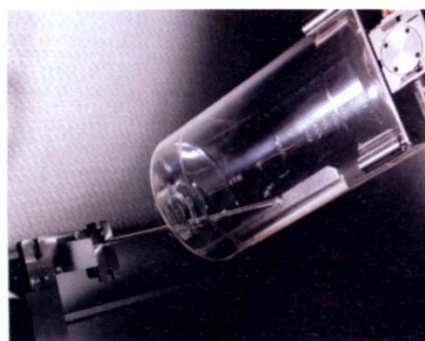
The OpenGene system from Visible Genetics (Toronto, Ontario, Canada) is an automated

DNA sequencing system designed specifically for mutation detection in the clinical research lab. It provides unmatched speed and simplicity for automated sequencing and fragment analysis. Ultrathin disposable MicroCel cassettes are filled and polymerized in just over 3 minutes and 300 bases are sequenced in 30 minutes. The OpenGene system includes GeneObjects DNA analysis software and a complete line of gene-specific GeneKits under development for applications, including infectious diseases, oncology, and tissue typing.

Tel: +1 416 813 3240

Fax: +1 416 813 3250

RSN: 1002



Automated cell scraper

The Automation Partnership (Royston, UK) has developed a new robotic scraper as part of the Cellmate Automated Cell Culture System, which avoids the use of enzymes that can disrupt cell surface receptors in harvesting anchorage-dependent cells. Like a windshield-wiper, the rubber scraper blade removes the cells from the sides of the culture bottle. Cells are then rinsed off the blade into a collecting bottle and aspirated for further processing.

Tel: +44 1763 262 026

Fax: +44 1763 262 613

RSN: 1003



Chemiluminescence immunoassay

Chiron Diagnostics' (East Walpole, MA) ACS:180 OV assay for use on the ACS:180 automated chemiluminescence system is a

fully automated double-determinant chemiluminescence immunoassay for cancer antigen 125 (CA 125), a HMW glycoprotein present in the circulation of more than 85% of women with active ovarian cancer. The assay uses specific monoclonal antibodies directed toward the OC125 and M11 antigenic domains, which provide a high degree of specificity for the molecule. The automated chemiluminescence format provides a high degree of sensitivity, precision, and convenience, with the first result available in 15 minutes and subsequent results every 20 seconds.

Tel: +1 508 668 5000

Fax: +1 508 660 4591

RSN: 1004

Transfer system

Beckman Instruments' (High Wycombe, UK) new 96/384 High-Density Replicating (HDR) system for the Biomek 2000 Laboratory Automation Workstation automates the replication of microplate libraries to filters, membranes, or daughter plates and can place 3456 or more samples on a membrane the size of a microtiter plate. The HDR system can operate with either 96 pins of 0.015 in diameter or 384 pins of 0.045 in diameter, transferring 10 and 200 nl, respectively.

Tel: +44 1494 441 181

Fax: +44 1494 463 836

RSN: 1005



Integrated thermal cycler

PE Applied Biosystems (Foster City, CA) has a new automated workstation for genetic analysis research, the ABI PRISM Integrated Thermal Cycler. It integrates a 384-well thermal cycler with a high-precision robot capable of pipetting extremely low volumes necessary for both PCR and sequencing reactions, which can now be carried out on a single platform. Users can run preprogrammed protocols or customize their own. The system can run thousands of PCR and sequencing samples a day, even running overnight, with maximum accuracy, reproducibility, and throughput.

Tel: +1 800 345 5224

Fax: +1 415 572 2743

RSN: 1006