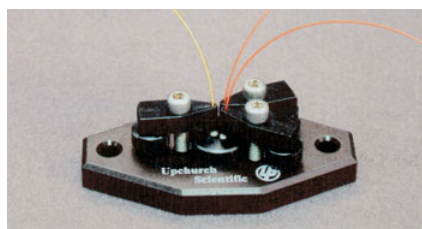


# ▶ newproductnotes

**Compression stacker.** This system protects samples from evaporation or water uptake. It offers a simple, cost-effective method of storing daughter plates in a form ready for use on all currently available liquid-handling systems. The stacker prevents evaporation from low-volume 384- or 1536-well assays during incubation steps in a format ready for loading directly onto all currently available detectors.

**MatriCal**

[www.matrical.com](http://www.matrical.com)



**Nano mixer.** Ideal for combining two flow streams, this product uses hyperdiffusion between flow laminae to achieve superior mixing with minimal turbulence. It is well suited for submicroliter flow rates, supports up to 500  $\mu\text{L}/\text{min}$ , and is pressure-rated to 1500 psi. Depending on orientation, it has a flow path volume as low as 30 nL.

**Upchurch Scientific**

[www.upchurch.com](http://www.upchurch.com)

**Triple quadrupole.** The LC-MS-MS Quattro Ultima Pt is a high-performance instrument for regulated bioanalysis in pre-clinical development and clinical trials. It features a probe for high-efficiency atmospheric pressure chemical ionization (APCI) as well as an ion tunnel, which maximizes ion conductance from the APCI aerosol to the mass analyzer, optimizing signal in the LC-MS-MS.

**Micromass**

[www.micromass.co.uk](http://www.micromass.co.uk)

**Sample storage solution.** This complementary system includes a choice of coded tubes, powerful software, and a high-speed reading system. It offers direct compatibility with existing data matrix storage systems and includes predefined tube coding for individual customers in a choice of black-on-white or white-on-black formats to suit all operational conditions.

**IBS Integra Biosciences**

[www.micronic.com](http://www.micronic.com)

**Microscopy documentation.** The Kodak MDS290 produces film-quality color images and has the speed and convenience of digital imaging. It allows immediate access to captured microscopy images while providing a full range of image enhancement and editing tools. The system is integrated with Adobe Photoshop software. With a resolution of 2.1 megapixels and color fidelity, the MDS290 provides publication-ready images of brightfield, dark-field, and bright fluorescence specimens of up to  $8 \times 10$  in.

**Perkin Elmer**

[www.perkinelmer.com](http://www.perkinelmer.com)

**Analytical software.** DecisionSite is suited for the information challenges facing pharmaceutical, drug, and biotechnology companies. It lets end users easily manipulate large amounts of data in the form of highly interactive 3-D images. It allows users to discover important answers hidden in their data without first knowing what questions to ask. The software includes expansion and enhancement in data integration and the ability to access additional data types out of the box.

**Spotfire**

[www.spotfire.com](http://www.spotfire.com)



**Plasmid DNA kits.** These units contain a patented silica matrix that improves the efficiency and convenience of preparing transfection-grade plasmid DNA. The kits enable researchers to recover excellent yields of both high- and low-copy-number plasmids from only 1–2 mL of bacterial culture. The kits offer time savings over silica slurry and spin filter formats.

**Qbiogene**

[www.qbiogene.com](http://www.qbiogene.com)

**Modular vacuum system.** This product provides new and existing laboratories with independent vacuum sources for a number of separate workstations. Each

system features an oil-free diaphragm pump, corrosion-resistant PTFE tubing, various control setups, and check valves to minimize interference between stations.

**Brandtech Scientific** [www.brandtech.com](http://www.brandtech.com)

**DNA ligation.** These kits are formulated to provide fast and efficient DNA ligations for both routine and high-throughput cloning. Each kit ligates cohesive-end DNA in 5 min at room temperature, producing >90% white colonies. Blunt-end ligations are complete in 15 min at room temperature, producing >95% white colonies. Desalting the ligation reaction before electroporation of cells is not necessary. Reaction kits are available in quantities of 25, 50, and 100.

**Epicentre** [www.epicentre.com](http://www.epicentre.com)



**Mass spectrometer.** This LC/MS system can be uniquely configured for specific analytical requirements. It is available as a triple-quadrupole mass spectrometer or as a single-quadrupole mass spectrometer that can later be upgraded to a triple quadrupole. Both configurations allow the user to switch from LC/MS to GC/MS with a simple interface change.

**Varian** [www.varianinc.com](http://www.varianinc.com)

**Cytometer.** The Cytomics FC 500 flow cytometer provides cell-based researchers with automation and flexibility for a wide range of applications. This automated benchtop unit offers five colors from a single laser, which streamlines cell measurement and enables the study of more analytes per tube.

**Beckman Coulter** [www.beckmancoulter.com](http://www.beckmancoulter.com)

**Reagent.** RapiGest SF is a new chemistry which dramatically accelerates enzymatic digestion of proteins. Known as a solubilization factor, this reagent, when combined with trypsin, has been shown to cut the time to digest a protein from hours to minutes. Enzymatic digestion via trypsin

is an important first step for characterization of proteins by electrospray ionization and matrix-assisted laser desorption/ionization mass spectrometric techniques. RapiGest also improves protein solubility, digestion efficiency, and coverage, meaning that more of the peptides from the sample protein can be identified.

**Waters** [www.waters.com](http://www.waters.com)

**Pipetting aid.** This NiMH battery-powered unit works with pipets in the 1- to 100-mL range. It is lightweight and contoured with smooth-action pushbuttons, and the switches are ergonomically located. Aspiration speed can be adjusted to high or low. Dispensing is carried out by gravity or assisted by the pump, enabling complete emptying of the pipet with a blowout step. Aspiration and dispensing speed can be further controlled by the pressure applied to the pushbuttons. The unit is equipped with a safety valve to prevent liquid from entering it. The filter and nosepiece are easily removed and autoclaved or replaced.

**Labnet** [www.labnetlink.com](http://www.labnetlink.com)



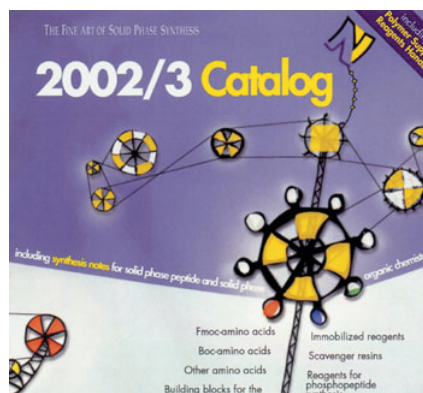
**Spectrophotometer.** This instrument features Windows-based PC software control and microfocused beam technology for accurate measurement of microvolume samples. Each system is configured with a standard set of general and life science applications. A variety of expanded software options are available separately. The spectrophotometer software supports compliance with 21 CFR Part 11 guidelines.

**Beckman Coulter** [www.beckmancoulter.com](http://www.beckmancoulter.com)

**Automated software.** This product gives drug discovery researchers confidence when identifying proteins through fully automated peptide mass fingerprinting and peptide fragmentation. INTEL-

LIMARQUE provides automated data-dependent seamless PSD and subsequent second database searching to confirm protein identity. Ions that do not match in the initial peptide mass fingerprint are also subjected to seamless PSD and analyzed to provide information on minor components in a proteomics sample.

Shimadzu [www.shimadzu-biotech.net](http://www.shimadzu-biotech.net)



**Catalog.** The 2002/3 Novabiochem catalog features more than 1800 reagents for peptide synthesis and organic synthesis, including over 100 new products. It comprises detailed information on amino acid derivatives, resins, condensation reagents, scavenger resins, immobilized reagents, and building blocks.

CN Biosciences [www.novabiochem.com](http://www.novabiochem.com)

**Raman analysis.** This system automates high-throughput screening of drug polymorphs and combinatorial chemistry beads. The ability to obtain valuable molecular and structural information from small amounts of material is useful in pharmaceutical applications. Raman spectroscopy allows users to analyze samples as small as 1  $\mu\text{m}$  and provides unique information related to polymorph identification, reaction monitoring, sample purity, and material confirmation.

Thermo Nicolet [www.thermonicolet.com](http://www.thermonicolet.com)

**Purification.** This parallel system combines UV-triggered fraction collection with simultaneous mass characterization of all fractions collected. The system is designed to support and enhance the purification of synthetic organic reaction mixtures in both medicinal chemistry and combinatorial chemistry environments.

Biotage [www.biotage.com](http://www.biotage.com)

**Software.** The latest version of Phoretix Array v3.0 delivers automatic detection of nonuniform grid types—an essential requirement because of the increase of custom-designed grids and subgrids for highly specialized research projects. Flexibility is provided by the dual-channel analysis feature, which facilitates effective analysis of two samples represented on one physical array and direct analysis of corresponding spots. It has enhanced spot detection and improved spot alignment to eliminate potential spot overlap.

Nonlinear [www.nonlinear.com](http://www.nonlinear.com)

**Flasks.** These sterile, disposable flasks are made of crystal-clear PETG plastic and are offered with either a plain or baffled base, making them ideal for benchtop or shaker-table use. The flasks have graduations to allow quick volume assessment and are provided with a polyethylene screw closure that is leak-proof when closed but is easily opened for venting with just a quarter turn.

Nalgene [www.nalgenunc.com](http://www.nalgenunc.com)



**Fraction collector.** This fraction collector from Bio-Rad is ideal for microliter to liter fraction collection in analytical through preparative chromatography applications. Highly reliable and versatile, the BioFrac increases productivity through a wide variety of collection rack options, flexible collection hardware features, and sophisticated control options. It is easy to program and is suited for both basic and complex collection schemes at flow rates up to 100 mL/min. Users can save and store methods for quick start-up for often-used methods.

Bio-Rad [www.discover.bio-rad.com](http://www.discover.bio-rad.com)

► For more information, refer to AdInfo-Now under "Selected ACS Resources" at <http://pubs.acs.org/mdd>.