



**pH Meter.** This instrument has a large LCD display and step-by-step procedure icons. The measuring ranges are  $-0.00$  to  $14.0$  pH,  $-2000$  to  $2000$  mV, and  $-170.0$  to  $199.90$  °C. Temperature, drift, and direction are visible during measurement, and up to nine pairs of pH or mV-temperature valves can be stored on demand, at selected time intervals, or when the reading is stable.

Brinkmann [www.brinkmann.com](http://www.brinkmann.com)

**Imaging system.** This laser-based tool provides four-color fluorescence detection and storage and phosphor imaging capability. It produces high-resolution, multicolor, multiplexed images and can be used for applications including genotyping, differential display, mutation detection, human identification, Southern blot, microarrays, ELISA, and homogeneous assays. The system is compatible with gel, membrane, microplate, and microarray-based techniques.

MiraiBio [www.mirai.bio](http://www.mirai.bio)



**Software.** This active desktop user interface works with SampleManager LIMS. It is a familiar graphical image interface that is user-friendly and is specifically designed to handle the requirements of everyday LIMS users. The active desktop is an entire webpage providing the ability to customize with graphics.

Thermo LabSystems [www.thermolabsystems.com](http://www.thermolabsystems.com)

**Protein crystal imaging system.** This fully integrated, computer-controlled, high-throughput, variable-zoom microscopy system is designed for detecting tiny crystals in large fields of view. Software enables the system to autoscan each well while capturing images, with annotation and time-date stamp, at a rate of 768 wells/h. Customized program options include crystal discrimination and image analysis.

TriTek [www.tritekcorp.com](http://www.tritekcorp.com)



**DNA gel extraction.** This kit recovers fully functional DNA from agarose gel slices in a single 10-min spin. DNA fragments that are 100–10,000 bp in size are efficiently recovered. The purified DNA is ready for sequencing, cloning, or labeling with no additional purification. The kit is available as a 50-pack containing 50 Montage DNA Gel Extraction units, centrifugal devices, and a 500-mL bottle of  $50\times$  modified TAE buffer for gel casting and running. Each centrifugal device is ready to use and consists of three pre-assembled components: a gel nebulizer, a sample filter cup, and a collection microcentrifuge tube. The modified, specially formulated TAE buffer contains one-tenth the standard EDTA concentration to minimize interference with downstream applications.

Millipore [www.millipore.com](http://www.millipore.com)

**Mouse/rat assay.** The DYC897 is available for use in high-throughput drug screening. This cytochrome *c* sandwich ELISA development system is a semiquantitative, end-point assay that measures cytochrome *c* released from mitochondria. The assay can be used to identify lead compounds that affect the permeability of the outer mitochondrial membrane to cytochrome *c*, such as agonists or antagonists of the Bcl-2 protein family.

R & D Systems [www.RnDSYSTEMS.com](http://www.RnDSYSTEMS.com)

**Purification kit.** The PhosphoProtein Purification Kit completely separates phosphorylated proteins from cell lysates. It provides affinity chromatography columns, buffers, and reagents for purification of phosphorylated proteins and ultrafiltration devices for subsequent concentration of protein fractions. Both phosphorylated and unphosphorylated protein fractions retain full biological activity and can be further purified if desired.

Qiagen [www.qiagen.com](http://www.qiagen.com)

**Software.** This gene expression analysis software is easy to use, comprehensive, and affordable. It offers a powerful set of analysis and visualization tools for the exploration of gene expression data. Version 1.1 adds significant functionality, including principal-components analysis and self-organizing maps.

Molecular Mining Corp. [www.molecularmining.com](http://www.molecularmining.com)



**Sample kit.** This easy-to-use kit provides a rapid method for screening the insert size of any cloned DNA, including BAC clones, without the need for growing cultures and performing restriction digests. Researchers simply pick a small portion of a colony off a plate, process it using the supplied reagents, and run a standard agarose gel. Plasmid clones such as PCR and cDNA can be screened in as little as 1 h.

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

**Data logger.** The PS100 can be used with any self-powered meter that puts out a pulse relative to water velocity and will record the rate of flow and total gallons over time. It features a delayed-start capability and stores 32,512 sample points. The PS100's small size and rugged design allow it to be placed almost anywhere, including processing plants and utilities.

Dickson Co. [www.dicksonweb.com](http://www.dicksonweb.com)



**Stainless steel dryer.** This double-bay granulation unit is used to dry out slurries used in manufacturing various over-the-counter and controlled pharmaceuticals. The 125-ft<sup>3</sup> dryer features an operating temperature range of 95–162° F, an all-stainless-steel interior and exterior, and a continuously welded liner. To facilitate cleaning, the interior corners are covered and the floor is sloped into two drains. This steam-heated dryer is designed to accommodate two loading carts of product. All incoming air is HEPA-filtered.

**Gruenberg Oven** [www.gruenberg.com](http://www.gruenberg.com)

**Wipes.** These ready-to-use, single-use, foil-pouched, moist towelettes provide a way to remove RNase and DNase contamination. They remove nuclease from plastic and glassware surfaces in the work area in seconds. The wipes are useful to researchers performing PCR and delicate electrophoresis reactions and experiments. Each box contains 25 wipes and can be stored at room temperature.

**Amresco** [www.amresco-inc.com](http://www.amresco-inc.com)



**Catalog.** *Bioanalysis 2002* features a broad range of ready-to-use kits for nucleic acid purification. The kits are for large-scale purification of genomic DNA from blood, isolation of PCR-grade DNA from food and feed samples, and DNA isolation from forensic samples. The RNA purification product family is complete with medium-scale and high-throughput formats. New products are featured for endotoxin-free plasmid preparation, large-scale plasmid preparation, and fully automated applications on common pipetting robots.

**Macherey-Nagel** [www.mn-net.com](http://www.mn-net.com)

**RNA.** This universal reference RNA is derived from whole-tissue sources and is made by pooling the total RNA extracts from a collection of different human tissues providing a broad coverage of genes—more than 92%. With this reference total RNA, the user can compare microarray data generated on multiple days.

**BD Biosciences**

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



**Microplate holder.** This unit is a floating platform suspended by springs to help aspirate microplate wells to complete dryness. Acting in conjunction with an automated liquid handler, the platform is designed to eliminate residual volumes in the microplate wells. The researcher places the microplate on top of the platform before liquid manipulations with the liquid handler and programs the liquid handler to aspirate at a depth that is actually below the bottom of the wells of the microplate.

**RNAture**

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

**Evaporators.** Two basic units and two integrated vacuum controllers allow up to six customized configurations to meet specific application requirements. The evaporators have fully automated vacuum control, pressure gradients, and automatic distillation down to dryness. The unit is joystick-controlled—activated by the touch of a button. Safety features include an insulated heating bath, a protective safety shield, and remote control operation.

**Brinkmann Instruments**

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

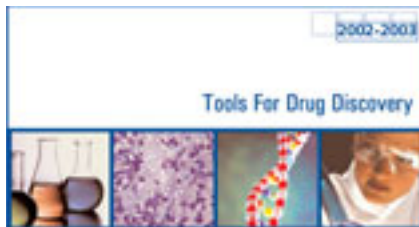
**Workstation.** The PlateMate 2×2 is a 96- or 384-channel automated pipetting workstation designed to minimize laboratory bench space. This compact system has many standard features usually found only on larger-platform devices. It has a four-position work deck and is fully configurable for microplates, microtubes, reservoirs, or tip

wash stations. Two 96-channel pipetting heads cover volume ranges of 0.5–30.0  $\mu\text{L}$  and 5.0–300.0  $\mu\text{L}$ , and two 384-channel pipetting heads cover volume ranges of 0.5–30.0  $\mu\text{L}$  and 1.0–100.0  $\mu\text{L}$ . All four pipetting heads are interchangeable.

**Apogent Discoveries** [www.apogentdiscoveries.com](http://www.apogentdiscoveries.com)

**Flow instrument.** Researchers may analyze objects of interest in a continuous flow system that processes signals from an axial light loss and captures fluorescent light signals. The system is composed of two lasers: a red diode laser used to measure both the size of objects and an optical signature as they pass the laser through the flow cell, and a multiline argon laser which excites user-selected fluorophores. The instrument then measures the emission signals from these as the organisms pass through the flow cell. The real-time analysis of these parameters can be used to analyze, sort, and dispense objects of interest into multiwell plates or stationary receptacles.

**Union Biometrica** [www.unionbio.com](http://www.unionbio.com)



**Catalog.** The 2002–2003 edition of *Tools for Drug Discovery* features over 4500 research products, including peptides, antibodies, synthesis resins and reagents, amino acids, amino acid cartridges, and accessories for solid-phase synthesis. The catalog contains over 1000 new products.

**Anaspec** [www.anaspec.com](http://www.anaspec.com)

**Software.** The ClassPharmer analysis tool is a stand-alone product that incorporates topology-based technology for building structural classes of chemical compounds. It is a desktop tool for personal use by chemists, biologists, and screening-project scientists. Through automation, it eliminates the sorting and searching that are required to organize the hundreds to

several thousands of compounds that traditionally are returned as hits from screening a library against a target. The software automatically finds the natural chemical families in the data, and deduces from the data on-the-fly the underlying structural core that defines the families.

**Bioreason** [www.bioreason.com](http://www.bioreason.com)



**Slides.** A variety of surface chemistries, including amino, aldehyde, and streptavidin, are available on these precoated glass microarray slides. They are made of optical-quality borosilicate glass, selected to be extremely flat, and uniformly and reproducibly coated with a thin film of the particular chemistry. The end result is a starting material that allows researchers to spot their own microarrays.

**Greiner Bio-One** [www.greinerbioone.com](http://www.greinerbioone.com)

**Syringe filters.** The HPF Millex syringe features a graduated glass fiber prefilter (10.0 to 0.7  $\mu\text{m}$ ) to remove larger particles and a 0.45- $\mu\text{m}$  membrane filter for fine filtration. The filters are available in 50 and 1000 packs for individual sample filtration using a syringe and in 200 packs (8  $\times$  25-unit tubes) for automated sample preparation. The filters feature a domed, rigid housing that prevents carousel jams and other causes of workstation downtime.

**Millipore** [www.millipore.com/millex](http://www.millipore.com/millex)

**Pump.** This peristaltic pump is used in pharmaceutical dispensing applications. The 505Di/L pump dispenses liquid pharmaceutical preparations in a wide range of volumes. It also offers increased pressures and flow rate capabilities. The tubing technology enhances the dispensing process and provides batch consistency. It features a clear flow path and a pump chamber that is always fully swept, eliminating possible batch contamination and downtime.

**Watson-Marlow Bredel** [www.wmbpumps.com](http://www.wmbpumps.com)

► For more information, go to [www.adinfonow.org](http://www.adinfonow.org).