

Markers. These first-generation adenoviruses will determine infection efficiencies and measure infection rates. They encode well-known reporter genes that can be measured by fluorescence microscopy or by direct colorimetric staining. Four different marker viruses are available, and all can infect a wide variety of dividing and non-dividing cell types, but because they lack the E1 gene, they replicate only in E1 trans-complementing cells such as HEK 293.

BD Biosciences www.bdbiosciences.com



Purification kit. This system is for downstream PCR-based applications as well as for use in genomic laboratories, pharmaceutical companies, and other laboratories that work with genomic material. The kit uses a purification plate design with a non-silica DNA-binding material that is embedded into the inside surface of the wells.

Hamilton www.hamiltoncompany.com

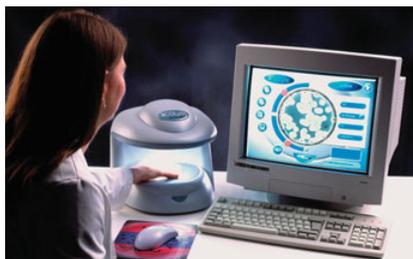
Synthesizer. This compact instrument is designed for individual use. It runs up to five reaction-route scouting and reaction-screening experiments at the same time. It has 1–5 reaction vessels, magnetic vortex mixing, and temperature control from –10 to 150 °C. It requires no plumbing and no programming.

Argotech www.argotech.com

Transcription kit. The DuraScribe T7 is designed for in vitro transcription of RNA that is resistant to RNase A and related RNases. It incorporates 2'-fluoro-dCTP and 2'-fluoro-dUTP into 50 µg of DuraScript RNA using standard T7 DNA templates. The presence of the 2'-fluorine on the C and U nucleotides prevents RNase A digestion of the DuraScript RNA, thus providing RNA stability during storage and in most RNA applications. It can

be made and used without gloves, DEPC treatments, or RNase inhibitors.

Epicentre www.epicentre.com



Arrays. These LED components were designed as an automated alternative to traditional manual counting, allowing incident, transmitted, and dark-field illumination. These arrays will benefit microbiologists who need to accurately count colonies on dark media such as blood agar or unevenly poured plates. They have a long life expectancy and high-quality illumination performance.

Synbiosis www.synbiosis.com

Workstation. This sample-processing system is designed to automate the sample handling and moisture determination of solid dosage forms, feeds, and capsules for applications in the pharmaceutical, food, chemical, tobacco, and paper industries. A wide range of sample moisture levels can be handled with multiple sample analyses using the same solvent(s). It runs 96 samples unattended, uses software that is 21 CFR Part 11 compliant, and includes a barcode reader.

Zymark www.zymark.com



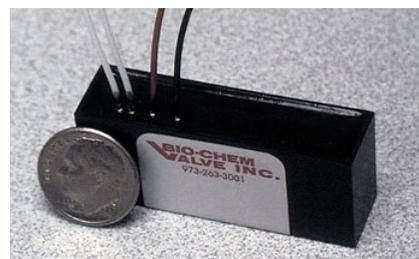
Syringe filter. Equipped with a polyvinylidene fluoride membrane, this 33-mm syringe filter is for the sterile filtration of

antibiotics, media preservatives, and protein-containing solutions. This filter also has a maximum housing pressure of 150 psi (10 bar), allowing users to accelerate the overall filtration process. The filter units are available in 50 and 250 packs with pore sizes of 0.1, 0.22, and 0.45 µm. To ensure clear membrane identification, the filters have a color-coded band design.

Millipore www.millipore.com

Electrode. This rotating disk component is for electrochemical analysis and has hermetically sealed mercury contacts. It is controlled either manually or from a remote potentiostat system, and can maintain rotational speeds from 100 to 10,000 rpm. It is available with 3-mm-diameter disk electrodes in Pt, Ag, Au, and glassy carbon.

Brinkmann www.brinkmann.com



Control module. This solenoid does not generate excessive heat and attaches between the valve and the power supply to provide a “step-down” function. This feature drops the voltage while maintaining the power required to keep the valve open or closed for an indefinite period. It accepts either 12- or 24-V dc input.

Bio-Chem Valve www.bio-chemvalve.com

Extraction kit. This package is for the extraction of PCR-ready DNA from a variety of environmental samples. It provides all the reagents necessary and uses a hot detergent lysis process combined with a chromatography step, which removes organic inhibitors, such as humic and fulvic acids. The kit can also be used with specific PCR systems to amplify bacterial, plant, or fungal templates.

Epicentre www.epicentre.com

Incubators. These instruments are robot-accessible and provide high-speed access for the incubation of assays in an environment. The incubators come in three sizes, and each is equipped to handle 96-, 384-, 1536-, and deep-well plate formats. The units can be configured with both CO₂ and humidity controls using an infrared-based sensor technology. Other options include high-speed access, refrigeration, lid handling, and landscape and portrait plate presentation.

Zymark

www.zymark.com

Workstation. This workstation has automated reaction-handling capability and a 24-sample deck with interchangeable racks for unlimited capacity, along with parallel throughput with sequential reaction control. Its dimensions are 14.5 × 27 in., and it fits into standard hoods.

CEM

www.cem.com

► For more information, go to www.adinfonow.org.

Hybridization station. This fully automated microarray processing system enables automated hybridization of microarrays on slides. It is compact and provides a solution for medium- to high-throughput hybridization. Through its modular design, it is possible to combine 1 master system with 3 extension units (12 additional slides per unit) to process up to 48 slides using up to 4 different protocols in parallel. Incubations may be performed in the range 4–85 °C.

Tecan

www.tecan.com

Catalog. Amine derivatives are the main focus of this catalog, which includes 53 new products and offers an array of ring system compounds with structural diversity. The product listings are organized into three categories: special focus, new reactive intermediates, and new Maybridge organics.

Maybridge

www.maybridge.com



Rotors. This instrument features a four-place design along with switch reluctance drive technology. The rotor can reach forces of 6–130g and has 9 adapters for a wide range of sample tubes and bottles. For cellular analysis, the rotor separates cells, cell membranes, tissue homogenates, and blood cell components in conical tubes with volumes of up to 2 L. For genetic analysis, it spins up to 24 96-well plates. For protein analysis, the rotor spins up to 72 15-mL tubes or 28 50-mL tubes.

Beckman Coulter

www.beckmancoulter.com