



Pipetting system. The Perkin-Elmer Cetus Pro/Pette® System is the first computerized pipetting system designed specifically for biological procedures in microtitration trays.

This automated liquid handling device transfers and dispenses microquantities of liquids for microtest procedures used in production of monoclonal antibodies and genetically-engineered proteins. The Pro/Pette eliminates time-consuming, tedious pipetting and provides high accuracy and consistency in volume microtitration procedures.

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Pipettes. J. Bibby Science Products, Ltd. (Staffs, U.K.) offers high-quality disposable plastic pipettes in five sizes for convenient safe liquid handling. Made of polystyrene, they ensure accuracy and performance in the biological, chemical, and analytical industries. All pipettes are cotton plugged, Gamma-irradiation-sterilized and supplied in convenient shelf packs—either individual or bulk wrapped.

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Centrifuge tubes and bottles. An easy-to-read guide is available that matches Nalgene (Rochester, NY) Oak Ridge centrifuge tubes and bottles to rotors made

by most of the major centrifuge manufacturers. Sorvall, Beckman, IEC, Jouan, Kontron, Heraeus-Christ, Sigma, Runne and Hermle rotors are matched to specific Nalgene centrifuge tubes or bottles. Tables also indicate the right adaptor to use. Additional charts are also available to match Nalgene tubes and bottles with Hitachi, Tomy, Kusakan, Sakuma and Kubota rotors.

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Chemical feed pump. ProMinent Fluid Controls, Inc. (Pittsburgh, PA) introduces precise chemical feed with long term reliability in the new "F Series" pump. No lubrication is required with this uncomplicated, basic chemical metering pump.

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Wet process systems control. Integrated Air Systems, Inc. (Valencia, CA) enables the user to easily monitor this control panel in observing each critical step of the process.

A low voltage operator panel which houses normal operating controls is located at the front of the work surface. This location precludes the need for an operator to have to continually reach across the work surface to operate the process. The contoured design of the BX Series I allows complete and efficient laminar flow coverage to its work surface in a clean room environment.

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Centrifuge for bioresearch. Beckman Instruments, Inc. (Fullerton, CA) introduces Microfuge® E, an affordable, miniature tabletop centrifuge for biochemical applications. The compact instrument provides versatility, economy and efficiency for repetitive runs of small biological samples. Applications include pelleting or sedimentation of samples using either fixed angle or horizontal rotors. The Microfuge E is particularly practical for spinning microsamples for biochemical assays. Quick acceleration and deceleration of the Microfuge E provide efficient use of the instrument without harming sample.

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Temperature-controlled benchtop centrifuge. Jouan, Inc. (Winchester, VA) has introduced a new benchtop centrifuge. The model CT411 has both refrigeration and a heating system for a large range of temperature-controlled applications.

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Research products. Millipore Lab Products (Bedford, MA) offers a special catalog of liquid handling systems. Included are Millex® Filter Units for simple, fast, and reliable small-volume filtration, the Millipore Sterifil-D™ Filter Unit with sterilizing protection built in, the Millititer™ Filtration System for improved biochemical and immunoassays, and the new Millicell™-HA Culture Plate insert, the first membrane device designed for cell attachment, growth, and differentiation.

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Software for sample processing. Cavro Scientific Instruments (Sunnydale, CA) improves its IQ 190 DS Sample Processor with new software that increases drive

speed for higher sample throughput providing users with the option of either non-simultaneous or simultaneous syringe movement. A new safety feature stops the IQ 190 and prevents malfunction.

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Automated sample management center. Abbott Labs (Abbott Park, IL) has introduced a new, totally automated, specimen-handling instrument that is compatible with the company's extensive line of enzyme immunoassays (EIA). The Sample Management Center provides meaningful cost savings to reference labs and blood centers that run high volumes of screening tests, such as those for hepatitis B and HTLV-III antibodies. It facilitates error-free specimen processing from the time blood is collected until the tests are complete.

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Bottle shippers. Polyfoam Packers Corp. (Wheeling, IL) offers a free sample with a new flyer explaining the cushioning and chemical resistance characteristics of

bottle shippers molded from ARCEL resin.

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Vacuum Manifold. Applied Separations (Bethlehem, PA) introduces the Spe-ed Mate-30, a 30-position vacuum manifold that triples the number of solid phase extraction samples that can be prepared in 10-place units. It is vacuum balanced to reduce flow rate variations during multi-cartridge processing.

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Liquid handling. The Trastar-96 from Costar Corp. (Cambridge, MA) is a portable, autoclavable, variable-volume liquid handling system that can deliver 20–200

microliters to a 96-well cluster.

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