Products & Materials

Sample Volume Cell Disrupter

The Virsonic 50 Ultrasonic Cell Disrupter is designed for small laboratories. The unit provides up to 50 watts of high-intensity power to perform a wide variety of ultrasonic applications, including disruption of bacterial cells, viruses, and spores; emulsification and dispersion of solids in liquid; acceleration of enzymatic and chemical reactions; and degassing of liquids. The Virsonic 50 is designed for narrow diameter vessels such as microcentrifuge tubes, vials, and test tubes and sample volumes ranging from 0.2 to 40 ml. Energy output is adjustable. VirTis Co. Circle 560.

A monoclonal antibody (MAb) to cytokeratin 20 is suitable for use in frozen sections, formalin-fixed paraffin-wax embedded tissues, cytological material, and protein immunoblotting. Cymbus Bioscience. Circle 563.

Fluorescent Rulers

These fluorescent rulers are visible on any standard ultraviolet transilluminator and can be adjusted for brightness to match the intensity of gel bands. The rulers can help eliminate problems with double exposures, duplicate photographs, and calculating Rf values. They measure 7 mm in width and either 100 or 200 mm in length, occupy little space in the photograph, and are reusable. Integrated Separation Systems. Circle 564.

Purification-Free Matrix for DNA Electrophoresis

AgarTex Plus is a synthetic gel matrix for the separation of polymerase chain reaction fragments. AgarTex Plus is intended as an agarose replacement for electrophoretic separations of double-stranded DNA fragments from 8 to 20,000 base pairs. The matrix provides immediately usable samples by simply excising and melting the relevant gel section, eliminating any further purification procedures. National Diagnostics. Circle 565.

Glass Slurry Purification of DNA

The GlassMAX DNA Isolation Spin Cartridge System uses a microcentrifuge spin cartridge and filter for the rapid purification of DNA from agarose gels. In only three steps (binding, washing, and eluting), high-quality DNA can be purified in as little as 5 minutes. Each cartridge can purify 25 ng to 50 μg of DNA. There is no need to perform phenol or chloroform extractions, and the recovered DNA is suitable as substrate for cloning, amplification, and sequencing. Gibco BRL. Circle 566.

Vacuum Pump Oil Changer

The PumpSaver can change vacuum pump oil in less than 4 minutes without the user coming in contact with the new or used oil or turning off the vacuum-attached appliance. A snap-lock, leakproof fitting between the pump and the vacuum-attached appliance allows the vacuum to be retained in the appliance while the pump oil is changed. The PumpSaver is a self-contained device with 2.5-gallon disposable reservoirs and a 6-foot flexible drainage tube for reaching inaccessible pumps. Multiple Peptide Systems. Circle 567.

Graphing Software

RPlot Version 2.00 is an upgrade of a software program for direct plotting of scientific and engineering results. In addition to being a tool for quick visualization of data, the program can produce publication-quality figures. A new curve-fitting capability includes options for cubic spine interpolation and nonlinear least-squares fitting using a unique rational function model. RPlot will run on an IBM PC, XT, AT, PS/2, or compatible computer with 256K random access memory; a CGA, EGA, VGA, or Hercules video adapter; and MS-DOS version 3.0 or higher. An ASCII text editor must be used in conjunction with the program and a math coprocessor is recommended. RSof Inc. Circle 568.

Literature

HPLC Systems is a new brochure on four systems. Gilson Medical Electronics. Circle 569.

Cell Separation Media for Centrifugation, Isolation, and Biological Separations is a wall chart with information and references on routine and research cell separation applications. Accurate Chemical and Scientific Corp. Circle 570.

1991 Vector Laboratories Catalog introduces more than 75 new products, including a tissue adhesive, a neuronal tracing reagent, enzyme substrate kits, novel biotinylating agents, agarose protein A, lectins and lectin conjugates, and labeled and unlabeled secondary antibodies. Vector Laboratories. Circle 571.

LC Views is a free newsletter that provides liquid chromatography users with information on technological and industry trends, advances, data handling and management, and new applications. Perkin-Elmer. Circle 572.

S&S 1991 Product Update is a minicatalog including Affinity Chromatography products, the Elu-Quik DNA Purification Kit, disposable filtration devices, and electrophoresis equipment. Schleicher & Schuell. Circle 573.

Newly offered instrumentation, apparatus, and laboratory materials of interest to researchers in all disciplines in academic, industrial, and government organizations are featured in this space. Emphasis is given to purpose, chief characteristics, and availability of products and materials. Endorsement by Science or AAAS is not implied. Additional information may be obtained from the manufacturer or supplier named by circling the appropriate number on the Readers’ Service Card and placing it in a mailbox. Postage is free.