SDS as Solution

Sodium dodecyl sulfate (SDS) is now available as a ready-to-use solution. The premixed SDS in solution means there is no powder to weigh out and no mess to clean up. The 20% (w/v) stock solution can be diluted to the needed concentration. The activity and stability of the SDS in solution is guaranteed for a year. Boehringer Mannheim Biochemicals. Circle 462.

Solar-Powered pH Meter

The Solar-Powered pH Meter has no batteries to replace. The pocket-sized meter features a half-inch liquid crystal display and a replaceable electrode with a 39-inch cable that makes it easy to immerse in any solution. Calibration, slope, and temperature adjustment screws maximize accuracy to 0.02 over 0 to 14.0 pH range. The meter is powered by average laboratory or outdoor light conditions and features battery backup reserve for up to 200 hours. The kit includes the meter, a polymer pH reference electrode, and a padded carrying case with belt strap. EXTECH Instruments. Circle 463.

New Separation Medium

NycocPrep Mixer is a sterile and pyrogen-tested solution designed for use in the isolation of mononuclear cells. To isolate mononuclear cells, the separation medium is mixed directly with whole blood and centrifuged. No layering of the sample is necessary. After centrifugation the mononuclear cells are in the supernatant and can be readily harvested in high yield and purity. The process does not include polysaccharides, thus avoiding possible modification of the cells as a result of the interaction of polysaccharides with cell surface receptors. NYCOMED PHARMA. Circle 464.

Monoclonal Antibodies

A line of fluorochrome-conjugated monoclonal antibodies (MAbs) to rat T cell markers are suitable for use in flow cytometry. They include MAbs to rat Thy-1 (also available as an FITC conjugate), rat CD4 (also available as an R-PE conjugate), and rat CD8 (also available as both FITC and R-PE conjugates). Caltag Laboratories. Circle 465.

Interleukin-2 (IL-2) binds to two distinct receptor molecules. This MAb inhibits IL-2 binding to one of them, the IL-2 receptor β (IL-2RB, p75) chain. Janssen Biochimica. Circle 466.

A line of MAbs to murine cytokines includes: anti-murine IL-2, anti-murine IL-3, anti-murine IL-4, anti-murine IL-5, anti-murine IL-6, anti-murine TNF alpha, anti-murine interferon gamma, and anti-murine GM-CSF. These antibodies are offered without preservatives in 500-μg vials at 1 ng/ml in a sterile, carrier-free liquid. Endogen. Circle 467.

Programmable Temperature Controller

These programmable temperature controllers for rapid and accurate heating and cooling of samples feature easy programming, a solid-state Peltier junction-based thermal control system, all-electronic heating and cooling, liquid crystal display of program, slope, time, and temperature and temperature range of 0 to 100°C. Model PTC-60 holds 60 0.5-ml microtubes and Model PTC-96 holds one 96-well flexible U-bottom microtiter plate. Owl Scientific Plastics. Circle 468.

Protein Analysis Kit

MICRO-COAT Protein Analysis Kit for Applied Biosystem's capillary electrophoresis systems provides a simple procedure for analyzing a broad number of proteins in a wide pH range. Capillary electrophoresis allows quantitation in real time using a minimal amount of sample. Proteins can be analyzed in their native state under non-denaturing conditions. In contrast to native gel techniques, the kit offers minimal prerun preparation, direct detection, and nondestructive sample analysis. Applied Biosystems. Circle 469.

Population Software

POPSYS Series 2 software is used to analyze and build models of interacting biological populations, including plants and herbivores, predators and prey, and those involving competition and mutualism. POPSYS models are built around basic ecological theory and can be used to teach the principles of population and community dynamics, study the statistics and dynamics of interacting populations, predict population trends, and test population management policies such as optimal harvesting and pest control. The program runs on IBM-compatible computers with graphics adapters. Ecological Systems Analysis. Circle 470.

Literature

1991 Chromatography Users Catalog is a 240-page publication that contains information on products and materials including columns for gas and liquid chromatography, syringes, paper, chemical samples, and supplies for a variety of instruments. Hewlett-Packard. Circle 471.

The 1991 Sigma General Catalog is a 2,144-page resource of more than 27,000 chemicals, biochemicals, and related products. This year's catalog contains more than 2,000 new products and, for the first time, most chemical product listings include the molecular weight, molecular formula, and Chemical Abstracts Service registry number. Sigma Chemical Company. Circle 472.

The 1991 Sigma Radiochemicals Catalog lists more than 350 radiolabeled products and reagents including a new line of cell culture-tested radiochemicals in a convenient multi-dose vial. Sigma Chemical Company. Circle 473.