Experimental Optimization Software

SIMPLEX-V 2.2 is an interactive, menu-driven computer program for rapid experimental optimization. As many as 12 continuous variables may be adjusted simultaneously with a modified sequential simplex algorithm. The program can accept as many as four responses, use an optional user-defined starting simplex from existing experimental information, and produce ASCII files for export to word-processing and other software packages. SIMPLEX-V 2.2 operates on the IBM PC family and compatible computers. Statistical Programs. Circle 576.

Reagents for Biotin Labeling

Two high-purity reagents for labeling carbohydrates and proteins with biotin are available. Both contain spacer arms to limit steric hindrance and to maximize detection or isolation of the labeled molecules. One reagent is a hydrazide derivative for coupling biotin to carbohydrate structures after periodate oxidation or for attaching biotin to carboxyl groups by means of a carbodimide coupling procedure. The other reagent couples biotin to primary amine groups on proteins or other molecules by means of an N-hydroxysuccinimidyld group. Both reagents are supplied as stable dry powders. Vector Laboratories. Circle 569.

HPLC Software

The Dynamax HPLC Method Manager software automates high-performance liquid chromatography, controls gradients, and collects and analyzes chromatographic data. Peak areas and heights are displayed on the screen as soon as they are calculated. The program has pull-down menus and multiple-screen windows, on which function controls and status information are displayed simultaneously. Rainin Instrument. Circle 570.

Separatory Funnel Platforms

Four models of adjustable separatory funnel platforms are available for benchtop and floor-model shakers. The platforms adjust to hold funnels from 500 ml to 2 liters at the angles needed to achieve the desired shaking action. Smaller funnels may be accommodated by hand adjustment of the main support posts. The funnels are held by vinyl-coated clamps. From smallest to largest, the models hold 2, 4, 10, and 16 funnels. Lab-Line Instruments. Circle 574.

Culture Dish for High Magnifications

A Teflon tissue-culture dish that allows viewing of cells under culture conditions at high magnifications is available. Oil immersion objectives with a ×100 magnification may be used. Standard glass coverslips with adherent cells are secured to the dish by an aluminum ring with a bayonet fitting. The dish is reusable and resistant to sterilization procedures. Medical Systems. Circle 571.

Antibacterial Antiviral Wipes

Cide Swipes are presaturated wipes that contain antibacterial and antiviral agents. No mixing, dispensing, or special disposal is needed; a built-in applicator that prevents skin contact eliminates the need for gloves or applicators. To use, open the package, wipe the surface, and throw away. Cide Swipes come in boxes of 50 wipes. Lab Products. Circle 572.

Calculator-Emulation Software

The Lascaux1000 is a calculator software program that incorporates dimensional analysis. Units of measurement are entered along with the numbers, which may be in fractional, decimal, or scientific format. The Lascaux1000 automatically performs any conversions. It recognizes more than 150 fundamental units of measurement and is equipped with more than 200 physical constants, and the user may add others. Calculations are checked for validity; for example, the program will reject attempts to extract the square root of cubic feet. The package comes with both a pop-up version and a nonresident version of the program. Lascaux1000 is available for IBM PC and compatible computers with at least 320 kilobytes of random-access memory. Lascaux Graphics. Circle 573.

Beads for ELISA, RIA

Ultradil cleaned frosted polystyrene beads are available for enzyme-linked immunosorbent assays and radioimmunoassays. These beads have been manufactured without mold-release agents or other additives commonly used in manufacturing plastics. All beads are supplied with certification. The beads have diameters of either 1/4 inch (0.64 cm) or 5/16 inch (0.80 cm) and may be purchased in quantities as small as 100 or as large as hundreds of thousands. Interfacial Dynamics. Circle 579.

HPLC-Grade Water Purifier

The HPLC-816 produces 7 liters of purified water for high-performance liquid chromatography applications. The benchtop unit reduces organic contamination in deionized and distilled water to one part per billion by ultraviolet radiation, eliminating ghost peaks and shifting base lines. Vangard International. Circle 577.

Literature

Reagents for Laboratory Immunology is a product and price list of more than 700 reagents that react to human, mouse, rat, and other animal proteins. Nordic Immunological Laboratories. Circle 582.

Adjutants... is a catalog featuring an adjuvant prepared from Saccharomyces cerevisiae, a stable viscous homogeneous aluminum hydroxide gel, an anhydrous lipid base with adjuvant properties, and a surfacetactive adjuvant hemolytic to red blood cells. Accurate Chemical & Scientific. Circle 584.

Monoclonal Antibodies to Human Leucocyte Antigens is a poster that illustrates primary reactivities of reagents with cells in normal human peripheral blood, including T helper-inducer cells, T cytotoxic-suppressor cells, natural killer cells, B cells, and monocytes. Becton Dickinson Immunocytometry Systems. Circle 587.