NEW PRODUCTS

LC. 3D HPLC system consists of a pumping system, injection valve, column, trifunctional detector, and necessary tubing and connectors. Simultaneous detection in UV, conductivity, and fluorescence modes is possible. HPLC Technology 409

STM. Tunnelscope 2400 automatic scanning tunneling microscope scans areas up to $10 \times 10~\mu m$ with a vertical resolution better than 0.01 nm and typical lateral resolution of 0.01 nm. Coarse and fine positioning of the tip are electronically controlled. Struers

Cryogenics. Model 9000 Controller is a cryogenic freezing system that allows full control of all freezing parameters through screen-prompted commands. The system can generate graphs showing the temperature of the sample and the freezing chamber as the specimen freezes. Gordinier Electronics 426

Spectrophotometers. DU series 7000 diode array spectrophotometers feature microanalysis capabilities; applications software; and full spectrum quantitation, in which sample information from the entire scanned spectrum

is used to quantitate the concentration of individual components in a mixture. Beckman Instruments 427

Software

Surface analysis. SIMS software, which operates under a Microsoft Windows 3.0 environment, features Spearmans rank correlation; addition, subtraction, and overlay of SIMS data; and a plotting routine that allows multiple plots on a page. Sub Monolayer Science

Data acquisition. Easyest is an icondriven data acquisition and analysis software package designed for IBM PCs and compatible computers. Features include simplified parameter setting and multiple-channel monitoring. Keithley Asyst

432

Manufacturers' Literature

SEC. Brochure describes high-efficiency columns for size-exclusion chromatography. Resin-, silica- and styrene-divinyl benzene-based columns are discussed. Supelco 429

Environmental analysis. Three application notes discuss LC, GC, and GC/MS methods for the analysis of drinking water and wastewater samples. Perkin-Elmer 430

Dioxin. Brochure highlights the DB-Dioxin GC column, which separates 2,3,7,8-TCDD and 2,3,7,8-TCDF from all other tetra-substituted dioxins and furans. J&W Scientific 434

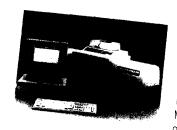
LC. Mac-Mod Forum contains information on changes in column selectivity and temperature effects in HPLC. A column for the separation of enantiometric compounds is also described. Mac-Mod Analytical

Electrochemistry. Application note AC-5 provides a survey of applications of electrochemical impedance in the evaluation of coatings on metals. EG&G Princeton Applied Research

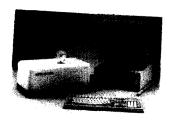
Spectrophotometer. Brochure highlights the Model F-3010 fluorescence spectrophotometer, which features a horizontal optical beam configuration and monochromatic ratioing system. Hitachi 437

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