HPLC Column Packer

Model 705 stirred-slurry column packer is available in two sizes for analytic or preparative operations. Any HPLC pumping system may be used and the method is rapid. Once the appropriate slurry is prepared, packing takes only 5 to 30 minutes depending on the pumping rate and the length of the column. The supplier also offers packing materials, column blanks, and fittings along with extensive instructions and practical advice. Micromeritics Instrument. Circle 783.

Densitometer and Spotter for Thin-Layer Chromatography

The densitometer utilizes fiber optics and diffuse reflectance scanning to measure density of migrated spots against a reference value. It has a color filtration system and an integral ultraviolet source to use fluorescence and fluorescence- quenching techniques. The automatic air manifold spotter can spot up to 2 milliliters of solvent extract to a controlled diameter of 6 millimeters or less with reproducibility to within 2 percent. It comes with six glass reservoirs and Teflon-coated stainless steel syringe needles. Kontes. Circle 784.

Scanning Electron Microscope

The DS-130 has a five-lens electron optical system. The lens design for the top stage features high resolution, low spherical aberration, and high strength. It guarantees 30-angstrom resolution with the top stage and 60-angstrom resolution with the bottom stage for large specimens. With transmission optics the DS-130 controls the size of the electron beam spot to less than 20 angstroms. Specimens up to 6 by 4 by 3 inches may be examined. International Scientific Instruments. Circle 785.

Ventilator for Small Animals

This device is suited to experimental work with animals the size of rats to small dogs; it is especially useful where quantitative delivery of respiratory gases is not required. A solenoid valve regulates timing of the breathing cycle and flow of gas. Respiration rate is continuously variable from 10 to 120 pulses per minute. Output pressure is regulated by a single knob and ratio of inspiratory rate to expiratory rate is fixed at 1:1. Ealing. Circle 786.

Automated HPLC

The KLIC 1 interactive controller is the heart of this system. It offers a 1000-step programmable memory to control gradient, flow, wavelength, and injection sequences. It features up to 32 input ports to operate external elements such as fraction collectors, auto-injectors, and pumps. Interactive feedback and monitoring can automatically compensate for some problems as they occur without interrupting an experiment. All programmable functions are entered in English with common terminology and programming sequences are prompted by display. Programs may be stored on cassettes for reuse. Kratos, Schoeffel Instrument Division. Circle 782.

Literature

**Barium in Seawater** details atomic absorption techniques for detecting this refractory element. Instrumentation Laboratory. Circle 776.

**Top-Loading Balances** lists a complete line of Super-Range models with high accuracy at high capacities. Brinkmann Instruments. Circle 777.

**Bench-Top Chemostat** is devoted to BioFlo, a fully instrumented system for pure culturing of microorganisms, cells, or tissues. New Brunswick Scientific. Circle 789.

**Differential Scanning Calorimetry** lists the components and design features of the TA2000D system. Mettler Instrument. Circle 791.

**Fraction Collector** explains the functions of the MultiRac, which is controlled by a microprocessor. Collection modes, duration, selection, and other parameters are programmed precisely. LKB Instruments. Circle 792.

**Ion-Selective Measurement** catalogs the features of Selection analyzers including three instruments, more than 20 specific ion electrodes, and supplies and reagents. Beckman Instruments. Circle 793.
PRODUCTS and MATERIALS

Science 206 (4419), 720.
DOI: 10.1126/science.206.4419.720