Silver Staining Kit
The SilverXpress Silver Staining Kit features ammoniacal silver chemistry and a seven-step staining procedure to provide a highly sensitive silver stain with little or no background in just over an hour. With minimal effort, nanogram levels of protein and nucleic acid can be detected. Novex. Circle 138.

Electrophoresis Components Cleaner
Mimax converts an existing vertical gel electrophoresis tank into an automatic sandwich component cleaner. The product displaces the conventional method of washing electrophoresis plates and components by hand. Mimax reduces the user’s contact with hazardous reagents and prevents chipping and breakage of glass plates. Mimax fits inside the tank of a vertical gel unit and holds four glass plates plus clamps and spacer. Research Products International. Circle 139.

Red Flashlight
Hypertorch is a red light emitting pocket flashlight for use in dark rooms with autoradiography films and emulsions. Hypertorch allows the minimum safelight exposure when handling sensitive emulsions. It also aids in locating equipment in the darkroom in areas that the safelight does not illuminate. Amersham International. Circle 140.

Particle Removal and Sample Concentration
New MicroPure inserts for Microcon microconcentrators allow simultaneous particle removal and sample concentration in a single step, providing faster sample processing, simpler protocols, and higher recovery. MicroPure offers 0.22- or 0.45-μm filtration combined with a choice of Microcon’s 3-, 10-, 30-, 50-, or 100,000-MW cut-off ultrafiltration. Simultaneous clarification and concentration of samples up to 350-μl speeds and simplifies extraction of DNA or protein from excised electrophoresis gel slices or fermentation broths. Amicon. Circle 141.

Protein and Antibody Recovery System
Activated ACT-MOD purification cartridges help the user separate and capture proteins and antibodies from crude stocks such as cell culture media, cell lysates, and fermentation broths via adsorption. The cartridges can reduce the need for centrifugation and ultrafiltration as a first capture step. They are available in various ion exchange chemistries as well as affinity protein A, protein G, heparin, hydrazide, silica, and amino activated chemistries. The cartridges can combine clarification, concentration, and capture in one step. The process is scalable from lab unit to large size production, from a few liters to thousands of liters. FMC. Circle 142.

Repetitive Element and Vector Primers
Nine repetitive element primers and nine vector primers are now available. The repetitive element primers consist of six Alu primers, one long interspersed repeat element primer, and two telomere primers. The vector primers consist of M13 forward and reverse sequencing primers, Lambda gt 10 and gt 11 forward and reverse primers, T7 promoter primer, SP6 promoter primer, and T3 promoter primer. BIOS Laboratories. Circle 143.

Automated Amino Acid Analysis
Ion exchange chromatography and ninhydrin derivatization are combined in this system to offer automated quantitative amino acid analysis. Proven methods are provided on diskette and reagents and columns are available to guarantee protein hydrolysate results to be accurate and reproducible. The binary solvent delivery module generates precise step gradients with one liquid while the other delivers reagent to the post-column reactor. Beckman Instruments. Circle 144.

Airborne Microbe and Virus Detector
A disposable gelatin membrane filter is designed for detection of airborne microbes and viruses. The user simply removes the disposable membrane from its package and places it on the Sartorius MDS Air Sampler’s aluminum ring. The disposables eliminate the need for cleaning, sterilizing, and preparing reusable filter holders. Sartorius. Circle 145.

Gel Cassettes
Empty Snap-A-Gel plastic cassettes are available for researchers who prefer to pour their own mini gels for protein and DNA electrophoresis. These cassettes save the time and effort involved in cleaning and assembling glass and spacers. The cassettes are leak-tight and will not break like glass. Simply pour acrylamide solutions into the cassettes, allow for polymerization, load samples, and run. Jule. Circle 146.

Literature
Supelco Chromatography Products 1994 contains almost 900 pages of columns and accessories for chromatography and capillary electrophoresis, chemical standards, and equipment for sample preparation, including supercritical fluid extraction and solid phase micro extraction. Supelco. Circle 147.

Calbiochem 1994/95 Catalog features more than 300 products, including anti-cyc1 AMP, anti-cyclic GMP, anti-opioid receptor, apolipoprotein E, isofoms E3 and E4, casein kinase II, G-subunit antibodies and recombinant controls, protein phosphatase 2A, and 2A2, and protein tyrosine phosphatase. Calbiochem-Novabiochem International. Circle 148.

1994–95 Product Selection Guide describes instruments and materials for ion chromatography, high-performance liquid chromatography, capillary electrophoresis, supercritical fluid extraction and chromatography, and laboratory automation. It includes decision trees to help in the selection of separation mechanisms, columns, and detectors for each application. Dionex. Circle 149.

1994 Cytokine Research Products catalog offers a complete line of more than 150 mouse and human cytokine products, including cytokines, growth factors, receptor reagents, cell adhesion products, paired antibodies, and rapid, sensitive enzyme-linked immunosorbent assay kits. Genzyme. Circle 150.

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 AAAS or AAAS is not implied. Additional information may be obtained by contacting the manufacturers or suppliers named by circling the appropriate number on the Readers’ Service Card and placing it in a mailbox. Postage is free.