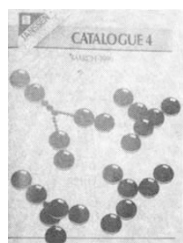


# FREE LITERATURE



**New HPLC Columns.** A brochure from JM Science (Buffalo, NY) describes a series of high-efficiency normal and reversed-phase columns offering peak symmetry, low backpressures, and high reproducibility. Packing chemistries include porous glass and the new pyrene phase.

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**Biochemicals.** The 60-page 1990 Janssen (Flanders, NJ) Biochimica catalog features 1,000 items of interest to researchers and users of diagnostics, including polyclonal and monoclonal antisera, reagents for studying IgG subclasses, interleukins, and T and B cell markers.

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**Thin-Layer Chromatography.** Products and application information on TLC highlight a 48-page publication from Camag (Muttenz, Switzerland). The company also offers notes on analysis of DANS-amino acids, phospholipids, and methionine in fermentation broths.

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**Column Chemistries.** Waters (Milford, MA) introduces a periodical with information about applications, columns, and chemistries for HPLC. The first

16-page issue of the *Waters Column* discusses new packings and columns for protein analysis and purification.

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**DNA Columns.** A brochure describing Dynamax Pure DNA HPLC columns for single-step detritylation and purification of oligonucleotides is available from Rainin (Woburn, MA). Columns are packed with silica matrices and surface chemistries enabling direct scale-up.

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**Air-Actuated Valves.** A four-page brochure from Tri-Clover (Kenosha, WI) details new Tri-Flo® Series 761 air-actuated valves. Included are the valves' structural and maintenance benefits, size specification diagrams, and a dimension chart.

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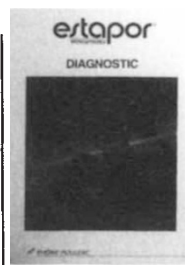
**Custom Immunology.** A guide from BabCO (Berkeley, CA) outlines its custom services: polyclonal antibody generation in small and large animals, hybridoma cell line development, ascites fluid GMP scale-up production of monoclonals, immunoassay development, and immunochemical support.

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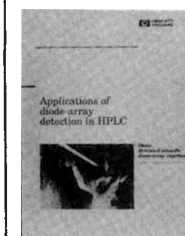
**Rubber Ware.** Vesta (Greendale, WI), a silicone rubber component manufacturer, makes available a four-page catalog outlining its services, including custom manufacturing by extrusion, compression and transfer molding, and high- or low-volume injection molding.

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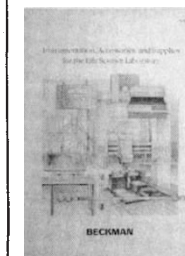
**Diagnostic Microparticles.** A technical booklet on Estapor® microspheres, with 70 references, is available from Bangs Laboratories (Carmel, IN). It supplements an earlier publication, also available, describing the preparation, characterization, handling techniques, and coupling methods used with these particles in a variety of assays.

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**Diode-Array Detection.** A free 134-page primer from Hewlett-Packard (Palo Alto, CA), entitled *Applications of Diode Array Detection in HPLC*, contains 84 full-color illustrations. It offers tips on how to optimize detection parameters, with many examples and appendices.

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**Biolab Supplies.** Bulletin 6500 from Beckman (Fullerton, CA) provides full-color photos and descriptions of systems for separation, detection and quantification, robotics, laboratory information management, software, supplies, accessories, and customer support services.

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**Engineering Catalog.** Paul Mueller (Springfield, MO) offers literature describing its services in the design, engineering, and production of biotechnology equipment. The company's engineers create customized aseptic GMP systems, including all major types of bioreactors, for optimum performance.

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