

BIOTECH EUROPE 84, WEMBLEY, U.K.

Visiting Biotech 84 in London? Some of the stands and products worth seeing include:

The micro-controlled Digital Dilute 9200 from **Brinkmann Instruments** functions as a diluter, dispenser, automatic pipette, sample distributor, and titrator. It comes equipped with two precision glass syringes (the sample syringe offers a maximum capacity from 50 µl to 1 ml, the reagent syringe from 50 µl to 10 ml), and it provides a continuous selection of volumes from 1 µl to 10 ml.

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Various versions of **Wellman Biotechnology's** mini bioreactors will be on display together with a range of modular instrumentation. Also included will be a 15 l air lift fermentor that has a stainless steel base unit for temperature control and electrode insertions, and a 900 ml glass column section with draught tube.

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The latest L8M ultracentrifuge with operating speeds to 80,000 rpm, the J2-21M high-speed centrifuge with speeds to 21,000 rpm, and the DU-7 UV/VIS spectrophotometer with slab gel accessory will be on display from **Beckman Instruments**. Instrumentation for use in DNA and protein synthesis, together with amino acid analysis and HPLC techniques will also be demonstrated.

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New 0.1µm anisotropic hollow fiber cartridges for the downstream processing of fermentation broths and yeasts are being introduced by **Amicon**. Typical filtration rates for cell harvesting of *E. coli* are 150 l/hr/m². Also on display will be the Vitafibre II culture system and Amicon HPLC chromatography columns.

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A range of fermentation vessels, stirrers, probes, pumps, and controllers, as well as instruments permitting the preparation of extremely uniform liposomes, will be featured by **Roth Scientific**. The BIOPROCESSOR, a microprocessor-controlled unit that monitors and controls all the functions of the fermentation process, will be displayed for the first time.

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P&S Biochemicals Ltd. will display its complete and extended range of restriction endonucleases and DNA/RNA modifying enzymes. The following specialty products distributed by P&S Biochemicals for Promega Biotec will also be prominent: Packagene™, GammaPrep™, RNasin™, and Riboprobe™, the new SP6-derived, high fidelity transcription system for the analysis of gene structure and function.

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The new **Pall® DSLK**, a versatile and compact filter assembly, a new range of air filter housings, Pall PSS sintered metal backwash filter systems, and several types of Pall filter media will be exhibited. The Pall® DSLK, which has been designed for use in both laboratory and small-scale production areas, is available in two sizes, with a choice of four media based on nylon 66, PTFE and polypropylene.

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Queue's range of ultra low-temperature freezers, CO₂ incubators, and shakers will be featured at the **Camlab** stand. Cryostar freezers are single compressor biological freezers that guarantee the temperature performance in +35°C ambient. The range includes -90°C upright models and -75°C, -100°C and -135°C chest models.

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Two, four, and ten place vacuum filter holders for binding, hybridization, and transfer studies, the SRC 96 micro-sample filtration manifold, and the Elutip-D columns will be displayed by **Anderman and Co.** They are the sole U.K. distributors of Schleicher and Schuell products.

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Bio-Rad's Modular Gradient System, electrophoresis equipment, and enzyme conjugated and non-conjugated affinity purified antibodies for antigen detection by EIA will be highlighted in its display. Based on the Apple Computer, the Modular Gradient System produces binary gradients for reverse phase, ion exchange, or hydroxylapatite HPLC. The Model 1305A UV monitor and analytical refractometer provides sensitive, high performance detection systems

for gradient, isocratic, or preparative HPLC.

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A range of ultra-sterile valves will be shown by **Saunders Valve Company Ltd.** The line offers sizes from 15 mm to 80 mm with finishes, connections and diaphragm materials to suit most process applications. They have the following advantages: smooth, pocket-free flow path; easy sterilisation; and bubble-tight seal under pressures up to 16 bar.

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The Coulter EPICS® 'C' clinical flow cytometer is now available from **Coulter Electronics**. It sorts cells on the basis of number, size, and fluorescence, and features a wide range of compatible Coulter Clone™ monoclonal antibodies, including T11A, T8A, T6A, T4A, T1B; B1, B2; I2, ILR2; MO1, MO2; J5; IgD; IgG, IgM, KAPPA and LAMBDA.

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The **PHLS Centre for Applied Microbiology and Research (CAMR)** will have an exhibit boasting an active on-line computer link to its pilot plant, as well as examples of its collaborative work with commercial, industrial, governmental, and other organizations. CAMR will have new facilities opening soon.

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The **Devon and Cornwall Development Bureau**, a joint service of Cornwall and Devon County councils, provides a one-stop shop for companies considering investing in the U.K. Registers of industrial sites and premises, local industry directories, detailed location analysis, and information on government financial assistance will be available.

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Sussex Clinical Research Consultants will have an exhibit highlighting its training courses for medical department personnel in the pharmaceutical industry. These include courses on statistical methods, the medical information sciences, and clinical research management consultancy.

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