

Amino Acid Analyzer

The Knauer Amino Acid Analyzer performs quantitative and qualitative determination of amino acid composition of protein hydrolyzates and physiological fluids. It can separate inorganic, organic, and biological substances. Up to 96 samples can be analyzed and stored in a cooled sample room. The fully automatic delivery and derivitization are the key to the high precision and reproducibility of analyses. The analyzer completes routine analyses in the picomole range within 30 min. Knauer. Circle 554.

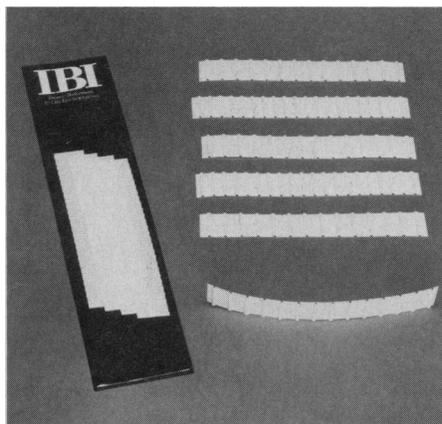
Rapid Scan NMR Spectrometer

Model R-1200 Rapid Scan nuclear magnetic resonance spectrometer is the only totally microcomputer-controlled 60-Mhz instrument available. The Rapid Scan feature allows spectra to be acquired more than ten times faster than on conventional analog instruments. Digital signal processing and the Field Cure feature ensure drift-free operation and allow the accumulation and averaging of multiple spectra for an increased signal-to-noise ratio. Chemical shift values are calculated automatically by the microcomputer and printed directly on the spectrum at the appropriate peak position. Digital integration eliminates phasing problems and the need to reintegrate if field shifts occur. Hitachi Instruments. Circle 555.

Gel Combs for Rapid Well Formation

Instawell Combs are designed for rapid well formation in both IBI Instacryl Copolymer and acrylamide gel applications. The combs have a corrugated surface that permits fast and easy formation of sample wells. Ridges created by the corrugated design serve as compartments through which the wells can be filled individually. The combs are placed horizontally between two pieces of cassette glass with the rounded rib side

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



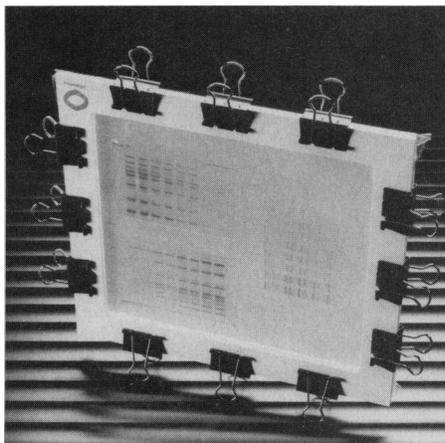
facing front. Once the plastic comb has been pressed into the surface of the gel and the top buffer tank filled, sample wells are created and ready to be loaded with a microliter syringe or micropipette. When the electrophoresis process is completed, Instawell Combs can be discarded or rinsed with running water for reuse. International Biotechnologies Inc. Circle 568.

Complementary DNA Libraries

Custom cDNA libraries offer a choice of custom library construction in either prokaryotic or eukaryotic expression phagemids to facilitate screening, or in lambda vectors gt10 to gt11. Each library is constructed to customer specifications of insert size and number of recombinants, and most libraries can be completed and delivered in a matter of weeks, working from either cells, tissue, or RNA. Invitrogen. Circle 567.

Gel-Drying Kits

Gel-drying frames and film are a convenient and inexpensive alternative to vacuum gel drying. Both polyacrylamide and agarose gels can be air-dried overnight between



sheets of clear gel-drying film. Gels dried in this manner are easily viewed while drying and, once dry, can be scanned densitometrically or even projected at lab meetings with an overhead projector. Promega. Circle 569.

High-Volume Atomic Absorption Spectrometer

Designed for laboratories with heavy workloads, the SpectrAA-5 atomic absorption spectrometer can analyze hundreds of samples per hour. Measurements can be made in absorbance, concentration, or emission modes at the touch of a key. All results and numerical entries are shown on the large light-emitting diode display. Calibration is simply a matter of keying in the values of the standards and then aspirating them. The instrument determines the absorbance of the standards and instantly computes the calibration. All elements can be determined, from arsenic at 189.0 nm to cesium at 852.1 nm, with a highly sensitive multialkali photomultiplier tube. Varian Associates. Circle 572.

Nonvolatile Heat Transfer Fluid

CryoCool is a stable heat transfer fluid for use in all refrigerated cold traps. The liquid can be used in place of methanol and ethanol in all stainless steel refrigerated traps and does not need to be replaced or replenished periodically. CryoCool exhibits an extremely low level of water adsorption, so water and CryoCool are immiscible. When CryoCool is used, any water condensed in the trap over a period of time falls to the bottom and freezes. The ice can then be scooped out, leaving the CryoCool. The liquid has a high flash point, requires no special storage, and presents no fire or explosion hazards. Savant Instruments. Circle 564.

Literature

High Purity Solvents is a 28-page catalog describing an extensive line of OmniSolv products for high-performance liquid chromatography and high-resolution gas chromatography. OmniSolv products include 65 organic solvents, including alcohols; alkanes, and halogenated hydrocarbons. For each solvent, the catalog details specifications for purity, including ultraviolet transparency, color, evaporation residue, fluorescence, gradients, water content, and pesticide residue limits. EM Science. Circle 442.

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