



Automatic Potentiometric Titrator

The Aquacounter COM-300A automatic titrator performs pH, acid/base, complexometric, redox, Karl Fischer, photometric, and ion-selective electrode measurements as well as non-aqueous titrations. The unit can also determine total acid/total base in oils. Additional features include a statistics package for one-touch calculations. It can store up to 50 results in memory or download results to a laptop or desktop computer. An optional Karl Fischer kit is available for moisture determination.

JM Science For information 800-495-1678 www.jmscience.com

Human Adipose-Derived Stem Cells

The Poietics Human Adipose-Derived Stem Cell (ADSC) system, for use in adult stem cell research, provides laboratories with ready-to-use cells and media for research in areas such as tissue repair, wound healing, cell differentiation, osteoporosis, insulin resistance, and obesity. The system contains cryopreserved normal human adipose-derived stem cells and an optimized ADSC growth media kit for cell growth and expansion. Research has indicated that when exposed to specific growth conditions *in vitro*, these cells can demonstrate various characteristics suggestive of cells from tissues such as fat, bone, cartilage, nerve, muscle, and blood vessels to some extent.

Lonza Group For information 800-638-8174
www.lonzabioscience.com

Ultra-High Pressure Liquid Chromatography

New ultra-high pressure liquid chromatography (UHPLC) methods provide higher resolution than traditional HPLC methods. To take full advantage of this superior resolution, it is important that samples, mobile phases, and buffers are properly prepared. Millipore provides syringe filters, membranes, and holders in many configurations that are designed to maximize UHPLC performance. These devices minimize column clogging and have low extractables, low binding, and low hold-up volumes to optimize sample preparation. Millex syringe filters ensure minimal signal-to-noise ratios and clean baselines. They have a broad chemical compatibility and low hold-up volumes, making them a convenient means of clarifying and/or removing small particles from samples prior to UHPLC analysis. Millipore Express Plus membrane is the first asymmetrical polyethersulfone (PES) membrane available for ultra-fast filtration in laboratory applications. It enables the rapid filtration of additives, buffers, and other

aqueous solutions. This membrane is available as 25-mm and 47-mm cut disks with 0.22 mm pore sizes as well as Steritop vacuum filter cups and syringe filter devices. MultiScreen Solvinert Plates are optimized for drug discovery applications, including total drug analysis. They come in both deep-well and standard volumes and are available in a choice of either chemically resistant hydrophobic or hydrophilic PTFE membranes.

Millipore For information 800-MILLIPORE
www.millipore.com/bioscience

Assay Development Service

A comprehensive assay development service is available for high-performance, highly sensitive assays in advanced cellular science and drug discovery research. Whether it involves developing custom assays, increasing densities from 96-well to 384-well or 1536-well, or converting outdated assay technologies to next-generation platforms, the assay development service can fast-track development of application-specific assays for pharmaceutical or research customers. The service offers comprehensive assay solutions for high-value G-protein coupled receptor and kinase cell-based screening including sensitive, high-throughput platforms such as the AlphaScreen, AequoScreen, DELFIA, and LANCE technologies. Reporter gene assays are available featuring SteadyLite Plus and Britelite Plus technologies. The assay development service can also provide miniaturization of tough-to-automate immunoassays.

PerkinElmer For information 781-237-5100
www.perkinelmer.com

Cell Surface Protein Isolation

Sulfo-NHS-SS-Biotin can be used to label cell surface proteins and isolate them for further analysis, including protein immunoblotting. An amine-reactive biotinylation reagent that is soluble in water but impermeable to plasma membranes, it

can label adherent and non-adherent mammalian cells. Sulfo-NHS-SS-Biotin has a disulfide bond in the spacer arm that permits the cleavage of the biotin moiety from the protein, making its interaction with a streptavidin purification column reversible. Cells are lysed and applied to a streptavidin agarose column. Unlabeled intracellular proteins are washed away and the biotin-labeled cell surface proteins are then released by reduction of the disulfide bond with dithiothreitol.

Genotech/G-Biosciences For information
800-628-7730 www.GBiosciences.com

Freeze Dryers

The Benchtop K Series Freeze Dryers were developed to meet the demand for a research freeze dryer that would provide a full range of laboratory processing capabilities. The K Series offers a wide range of options and accessories with condenser temperatures from -55°C to -105°C . This wide range of condenser temperatures provides the drying power required to freeze-dry all aqueous and most organic-based samples. The freeze dryers are efficient and easy to operate, with a microprocessor controller providing a user-friendly interface with full function control. A graphical wave LED displays system status while a backlit synoptic LCD enables at-a-glance monitoring of all operations. Powerful software provides complete data collection and historical trending of the freeze drying cycle.

SP Industries For information 800-523-2327
www.SPindustries.com

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Science **318** (5847), 121.
DOI: 10.1126/science.318.5847.121

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