

Multilabel Slide Scanner

The Lamina multilabel slide scanner is a high throughput imaging system designed to help research pathologists to more easily study protein expression and the relationships between disease markers in formalin-fixed, paraffin-embedded tissue sections. This allows research pathologists to gain a deeper understanding of diseases for the development of more effective therapies and treatments. Configured to meet the needs of a larger research facility, the Lamina scanner includes high-speed brightfield and fluorescence imaging modalities along with the proprietary Autofluorescence Reduction Technology. It is designed to reduce interference from autofluorescence—an unwanted byproduct of tissue fixation—and fluorophore cross-talk, in which the signal from one fluorophore bleeds into multiple channels. Both of these effects obscure real signals, which can result in an incorrect assessment of a slide. The Lamina scanner delivers these improvements in real-time during whole-slide scanning, enabling clearer visualization of protein biomarker expression in fluorescently labeled tissues.

PerkinElmer

For info: 877-754-6973
www.perkinelmer.com

Multipurpose X-Ray Diffractometer

SmartLab 3 system is a highly versatile multipurpose X-ray diffractometer with built-in intelligent guidance. Award-winning guidance software recognizes installed components and seamlessly integrates them into data collection and data analysis methods. The cross beam optics module offers permanently mounted, permanently aligned, and user selectable optical geometries for various diffraction experiments. As an example, one can choose a Bragg-Brentano and parallel beam combination for measurements of both powders and thin films without the need for instrument reconfiguration. One could also choose a Bragg-Brentano and focusing transmission combination to measure organic materials in both transmission and reflection modes. The fifth, or in-plane, axis of the SmartLab 3 diffractometer allows the measurement of structures that are in the surface plane of the sample. This enables the measurement of extremely thin films and depth profiling in coatings. The SmartLab 3 system further extends application capability with the next generation HyPix-400 2-D detector.

Rigaku

For info: 610-294-8091
www.rigaku.com

**pH/mV Measurement Instruments**

While the TruLab 1110 is ideal for routine pH/mV lab measurements where a robust workhorse meter is required, the TruLab 1310 and 1310P (with printer) provides precise lab measurements and automatic Good Laboratory Practice (GLP) documentation, plus a USB interface for data transfer and backup. All TruLab instruments offer autobuffer recognition plus recalibration prompts. The TruLab 1320 and 1320P (with printer) are two-channel instruments with simultaneous measurement of pH, ISE, or Redox. The 1320 series logs calibration information for GLP compliance and has a USB interface for data transfer and backup. In addition, YSI is also introducing the TruLine, IoLine, and Science suite of electrodes for its TruLab product line. The variety of pH and ORP TruLine sensors are compact in design, available as glass or plastic probe bodies, can be ordered with or without temperature and with a refillable option. YSI Science pH electrodes are proven, highly versatile laboratory electrodes.

Xylem Analytics

For info: 978-778-1010
www.xylemanalytics.com

Mass Spectrometer

The TripleTOF 6600 high-resolution, accurate-mass system brings new power to scientists developing biotherapeutics. Delivering the broad mass and dynamic range required for these compounds, the new instrument offers the unique ability to address biomolecules and their complexities quickly and easily. Together, the TripleTOF 6600 system and BioPharmaView software deliver accurate assay information for protein digests, in a simplified view. The software is designed with a deconvolution feature that allows for comparisons of end results to “gold standard” spectra to determine product quality, making it smarter and more efficient. SWATH Acquisition 2.0 allows researchers to develop simple, universal assays that ensure complete information coverage of their analytes in a fast and automated workflow. Combined with the increased dynamic range of the TripleTOF 6600 System, SWATH 2.0 enables researchers to achieve deeper insight into complex samples.

AB Sciex

For info: 877-740-2129
www.absciex.com

Vapor Sorption Analyzer

The Vstar vapor sorption analyzer includes the Autosorb iQ for micropore analysis and cutting-edge research, the Autosorb 6iSA for high throughput surface area and pore analysis, the Nova for low-cost routine analysis, and the Aquadyne DVS for gravimetric water sorption measurements. The Vstar provides a fast, accurate, and reliable means of obtaining water sorption isotherms on a wide variety of materials, but it doesn't stop there. The Vstar also can measure adsorption isotherms of a variety of organic vapors, providing insight into the materials' resistance to organic vapors, viability as an adsorbent for these vapors in storage or sequestration applications, and information on the chemical properties of these materials. The Vstar is available in one-, two-, three-, or four-station models, each of which is available with a variety of options. The ability to analyze up to four samples simultaneously (on the Vstar 4) provides unprecedented throughput.

Quantachrome Instruments

For info: 800-989-2476
www.quantachrome.com

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