

New Products

UV-VIS SPECTROPHOTOMETERS

The compact UV-2600 and UV-2700 UV-Vis spectrophotometers feature advanced optical systems and “Lo-Ray-Ligh” diffraction gratings. The new spectrophotometers substantially reduce stray light, enabling confident and convenient use for routine analysis and demanding research applications. With its double monochromator design and Lo-Ray-Ligh diffraction gratings, the UV-2700 achieves ultralow stray light of 0.00005%T at 220 nm. Its photometric performance range has been expanded to 8 Abs, with a transmittance value of 0.000001%. This eliminates the need to dilute samples and allows the measurement of low transmittance samples. Equipped with a single monochromator, the UV-2600 features a measurement wavelength range to 1,400 nm, using the ISR-2600Plus two-detector integrating sphere. This ultrawide range permits measurements in the near-infrared region, and expanded research of photovoltaics and other materials. The UV-2600 also features the Lo-Ray-Ligh gratings for high efficiency and low stray light levels.

Shimadzu Scientific Instruments

For info: 800-477-1227 | www.ssi.shimadzu.com



BENCHTOP XRD INSTRUMENT

The new fifth generation MiniFlex is a general purpose X-ray diffractometer that can perform qualitative and quantitative analysis of polycrystalline materials. MiniFlex is now available in two variations. Operating at 600 watts (X-ray tube), the MiniFlex 600 is twice as powerful as other benchtop models, enabling faster analysis and improved overall throughput. Running at 300 watts (X-ray tube), the new MiniFlex 300 does not require an external heat exchanger and thus requires even less space. The new MiniFlex delivers speed and sensitivity through innovative technology enhancements such as the optional D/teX Ultra high speed detector coupled with the new 600 W X-ray source. The optional graphite monochromator, coupled with the standard scintillation counter, maximizes sensitivity by optimizing peak-to-background ratios. If resolution is paramount, incident and diffracted beam slits can be selected to provide the desired resolution. For high sample throughput, MiniFlex is the only benchtop XRD system with an available sample changer.

Rigaku

For info: 281-362-2300 | www.rigaku.com

3-D HIGH CONTENT IMAGING PLATFORM

Designed for demanding high content assays and cell biology challenges, the new ArrayScan Infinity HCS Reader has 3-D imaging capability and features the latest in variable pin-hole confocal technology, solid-state LED illumination, live-cell and label-free capabilities, coupled with best-in-class image analysis and bioinformatics software. The instrument's integrated confocal module features the latest high speed Nipkow spinning disk technology and a variable pinhole to give finer control over image acquisition across a range of objectives (magnifications), compared to traditional confocal (fixed pin-hole) technology. The confocal module has a four-color LED Light Engine, bringing robust, laser-like performance without the complications and cost of lasers or the need for alignment of camera, confocal, and laser. The ArrayScan Infinity HCS Reader is also coupled with enhanced Thermo Scientific iDev Workflow software for multidimensional analysis. Multiple projection options for image analysis and the ability to save the stack of images to create 3-D movies enable complex 3-D structures to be imaged more clearly.

Thermo Fisher Scientific

For info: 800-432-4091 | www.thermoscientific.com

CRYOGENIC STORAGE RACK

The durably constructed, thick-walled Arctic Rack-24 is a new rack and cover that enables high integrity sample storage at ultralow (cryogenic) temperatures over extended periods of time. The Arctic Rack-24 is designed to accommodate 24 high volume (6.00 mL or 7.50 mL) Micronic storage tubes in an automation-friendly SBS footprint. A special cover enables the Arctic Rack-24 to be securely locked ensuring high sample security during transport or storage. The Arctic Rack-24 may be autoclaved several times providing considerable cost savings over consumable sample storage products. Absolute traceability and reproducibility on the Arctic Rack-24 are ensured through alphanumeric visual location aids and laser engraved barcodes on two sides of the rack plus rack foot mounting points. The open bottom design of the Arctic Rack-24 facilitates quick defrosting of samples. The Arctic Rack-24 with covers are stackable, enabling conservation of valuable storage space within freezers or during transport.

Micronic

For info: +31-320-277070 | www.micronic.com

MICROPLATE WASHER

The new 405 Touch Microplate Washer has a high resolution, LED backlit touchscreen interface that provides intuitive and flexible protocol creation and implementation and instrument maintenance, and supports all gloved environments. Additionally, two integrated flash drives enable convenient file storage, transfer, and operation. Instructional videos provide clear direction on instrument setup and basic use, and the context-sensitive help system, complete with recommendations, diagrams and images is available at the touch of a finger. The 405 Touch maintains the same features as the ELx405 washers, including 96- and 384-well compatibility, Dual-Action manifold, patent-pending Ultrasonic Advantage and vacuum filtration and biomagnetic separation for bead-based assays. All models include automated internal buffer switching, quick release manifolds, and optimized cell washing with gentle, low-flow rates ideal for loosely adherent cell monolayers. The 405 Touch is powered by Liquid Handling Control software, and can be coupled with the BioStack Microplate Stacker for unattended batch processing.

BioTek Instruments

For info: 888-451-5171 | www.biotek.com

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Science

New Products

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