

Bioscience | EDITOR'S CHOICE

TECHNOLOGY

Characterization of Biomolecular Interactions

GE Healthcare announces the launch of Biacore T200, designed to deliver sensitivity in the measurement of high quality kinetic, affinity, concentration, specificity, and thermodynamic interaction data, in real time. The performance, versatility, and sensitivity of Biacore T200 enables analysis of interactions involving the smallest, low molecular weight compounds, interactions of rare targets, and facilitates the analysis of interactions involving G protein-coupled receptors. The sensitivity of the system also allows antigen immobilization levels so low that interactions with antibody in solution can be analyzed, without avidity effects, thus adding flexibility to assay design. In addition, the system expands the range of kinetic parameters that can be studied with high precision, from the fastest on-rates to the slowest off-rates. **GE Healthcare**, 800-526-3593, www.gelifesciences.com



Evidence Drying Cabinet

The new Protector Evidence Drying Cabinet is the first item to be introduced in the Labconco Forensic Enclosure line. The Cabinet provides a secure ventilated area to dry evidence such as clothing, bedding, and marijuana. The cabinet's HEPA and carbon filtered exhaust protects personnel from exposure to biohazards while eliminating odors. The key-activated ultraviolet light provides secondary disinfection of the interior between cases to prevent cross contamination, ensuring integrity of samples for DNA testing. The lockable cabinet maintains the chain of custody. **Labconco Corp.**, 800-732-0031, www.labconco.com



EMCCD Camera

QImaging offers the Rolera EM-C2 EMCCD microscopy camera. Engineered for high-sensitivity and high-speed performance in low-light imaging applications, the Rolera EM-C2 camera aids researchers in applications such as spinning-disc confocal imaging, total internal reflection fluorescence (TIRF) microscopy, ratio-metric ion imaging, and fluorescence recovery after photobleaching (FRAP). Fast frame rates essential to cutting-edge live cell imaging studies are enabled by the camera's 40 MHz pixel clock rate. Up to 34.2 full-resolution (one megapixel) frames per second can be read out and transferred over an optimized 800 Mb/s implementation of the IEEE 1394b FireWire protocol. The Rolera EM-C2 delivers very low noise and high-sensitivity (~65% peak quantum efficiency) across a broad spectrum common to fluorescence experiments. Peltier cooling to -50° C minimizes dark current for longer exposures. Variable exposure times range from 200 microseconds to 17.9 minutes. **QImaging**, 604-530-5800, www.qimaging.com

Automation Solutions for Clinical Labs

Siemens Healthcare Diagnostics adds new automation capabilities for clinical laboratories. Connectivity of the Dimension Vista 1500 Intelligent Lab System to ADVIA Automation Solutions combines the benefits of an integrated chemistry and immuno-assay system with the productivity and expanded capacity of high-volume automation. In addition, the new ADVIA Centrifuge Module addresses growing test volume and turnaround requirements for labs with its increased specimen processing capacity. The Dimension Vista 1500 System's new connectivity to the ADVIA Automation track provides additional configuration options that help clinical laboratories customize workflow solutions to address unique operational needs. ADVIA Automation Solutions offer a high-performance option to laboratories—processing patient samples in a single, consolidated, high volume workstation. **Siemens Medical Solutions USA**, 847-267-5300, www.siemens.com/automate

