**BIOMOLECULAR INTERACTION ANALYSIS**

The Biacore T200 system is designed to deliver exceptional 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 outstanding 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. Guided workflows and the ability to analyze up to 384 samples in unattended runs facilitate rapid data acquisition for a large range of biomolecular interaction studies. Calibration-free concentration analysis enables highly reproducible, precise measurement of active protein concentration, whether or not a standard is available.

GE Healthcare
For info: 800-526-3593 | www.gelifescience.com/interactions

**PHOSPHOPEPTIDE ENRICHMENT**

The Fe-NTA Phosphopeptide Enrichment Kit allows scientists to process protein digests and strong cation exchange fractions to selectively recover phosphopeptides for mass spectrometric analysis in less than 30 minutes. The kit supplies high-capacity Fe-NTA spin columns and optimized buffer for analyzing 30 protein digests. The phosphopeptide-specific resin in each spin column will sufficiently enrich up to 150 micrograms of phosphopeptides. The Pierce Fe-NTA Spin Columns complement other Thermo Scientific lysis, reduction, alkylation, and digestion reagents, as well as graphite spin columns, to provide a complete workflow for phosphopeptide enrichment.

Thermo Scientific
For info: 800-874-3723 | www.thermoscientific.com/pierce

**MASS SPECTROMETRY PROTEIN STANDARD**

Over 5,000 heavy isotope-labeled, full-length human proteins are available for use as quantitative internal standards for SRM/ MRM (single reaction monitoring, multiple reaction monitoring) mass spectrometry (MS) analyses. With the newly released heavy isotope-labeled protein standards, researchers can simply mix the standards with their samples and perform protein quantification without the need of expensive and time-consuming peptide synthesis. Compared to heavy labeled peptides, the heavy labeled full-length proteins can be spiked at an earlier stage of sample preparation and allow for more accurate targeted protein quantitation throughout the entire analysis process, including sample extraction, fractionation, high-performance liquid chromatography, and MS analysis.

OriGene Technologies
For info: 888-267-4436 | www.origene.com

**SPECTROPHOTOMETERS**

The new 73 series spectrophotometers provide entry-level instruments with a narrow spectral bandwidth of 5 nm and an improved absorbance range of –0.3 A to 2.5 A, all within an innovative space-saving design. The design minimizes the instrument’s overall footprint by incorporating the large graphical display into the lid. This easy-to-read display is ideal for demonstrations and enables live spectrum and kinetics scans to be clearly viewed. An integral printer is also offered for further space-saving ability. The new series includes four spectrophotometers: models 7300 and 7310, which cover the visible region of the spectrum; and models 7305 and 7315, which use a flash xenon lamp to extend the wavelength range into the ultraviolet region of the spectrum. An extensive range of accessories are available for use with the spectrophotometers, including an automated eight-cell turret, sipper and pellet pumps, adjustable path length holders, test tube holders, and micro-cuvette holders.

Bibby Scientific/Jenway
For info: +44-(0)-1785-812121 | www.jenway.com

**FRACTIONATION SYSTEM**

A new line of cartridge kits for the Gelfree 8100 Fractionation System provide researchers with the ability to perform molecular weight-based fractionation with liquid phase recovery over various target mass ranges. The three new kits include ready-to-use fractionation cassettes for processing up to eight samples in parallel, as well as pre-formulated sample and running buffers. The Low Mass Cartridge Kit is tailored to provide maximum separation resolution of proteins with a molecular weight less than 60 kDa, which is specifically useful in the area of “top-down” protein analysis using mass spectrometry. The Mid Mass Cartridge Kit provides separation across the mass range of 3.5 kDa to 150 kDa and spans over 95 percent of the predicted proteome of most biological systems. The High Mass Cartridge Kit is specifically designed for targeted enrichment of intact biotherapeutics, providing resolution in the mass range of 60 kDa to 300 kDa.

Protein Discovery
For info: 866-670-9038 | www.proteindiscovery.com

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