Next-Generation Coulter Counter
The Multisizer 4 Coulter Counter, the latest advancement in a long line of particle counting and sizing instruments, is designed to deliver an increased dynamic range. Its unique digital pulse processing provides size analysis results in real time. Originally developed to count blood cells, the Coulter Counter has a broad range of applications, from cells and bacteria to food and hydraulic fluids. The Multisizer 4 features new sample management technology to ensure reproducibility. The EZAccess fluid management system, software wizards, and automated functions improve ease of use and increase productivity. Software functions include an automated time stamp for real-time sample tracking and electronic blockage detection. The digital pulse processing scans and stores data for additional analyses and reporting.

Beckman Coulter
For information 714-993-8955
www.coultercounter.com

Protection from Phosphatasases and Proteases
The combination of PhosSTOP Phosphatase Inhibitor Cocktail Tablets and cOmplete Protease Inhibitor Tablets can protect proteins from both phosphatases and proteases. PhosSTOP is a proprietary blend of phosphatase inhibitors that acts on a broad spectrum of acid and alkaline phosphatases, serine/threonine phosphatases, and tyrosine protein phosphatases. The cOmplete Protease Inhibitor Tablets inhibit serine, cysteine, and metalloprotease activity, and are available in tablets for either 10 ml or 50 ml of lysate, with or without ethylenediaminetetraacetic acid (EDTA). Both products are nontoxic and effective across a wide range of sample materials, including animals, plants, yeast, and bacteria.

Roche Applied Science
For information 317-521-2000
www.roche-diagnostics.us

Tyrosine Phosphorylation Discovery Tool
The PhosphoScan (P-Tyr-100) Kit features patented technology that enables investigators to identify hundreds of thousands of phosphorylated sequences and observe the state of protein tyrosine phosphorylation in cells and tissues. The PhosphoScan technology was recently used in the discovery of a novel activating mutation in the JAK3 kinase in acute myeloid leukemia cells. The method underlying the kit involves the specific enrichment of phosphotyrosine-containing peptides from protease-digested cell extracts using Phospho-Tyrosine Mouse mAb (P-Tyr-100) #9411 coupled to protein G agarose beads. Phosphopeptides eluted from the beads are subsequently identified by liquid chromatography/tandem mass spectrometry. Typically, several hundred phosphotyrosine sites from one sample can be identified in a single analysis, depending on the sample’s phosphorylation level and the sensitivity of the mass spectrometer. Researchers at Cell Signaling Technology have used PhosphoScan to determine cellular phosphorylation profiles in hundreds of cell lines, xenografts, and primary human tumors.

Cell Signaling Technology
For information 978-867-2300
www.cellsignal.com