Phosphopeptide Enrichment Spin Columns
BD Phosphopeptide Enrichment Spin Columns allow the user to enhance detection of phosphorylated peptides that might otherwise be undetectable. The kits provide optimized buffers and a simple purification protocol for peptide phosphorylation studies. The disposable spin columns have the capacity to bind up to 250 µg of phosphopeptide and a range of sample concentration and volumes (up to 850 µl) can be loaded. The disposable spin columns are convenient and fit into most microcentrifuges. The enriched peptide fractions are ready for analysis by mass spectroscopy or high performance liquid chromatography.
BD Biosciences For more information 877-232-8995 www.bdbiosciences.com/clontech

Increased Recombinants from any Vector
Incorporating a unique transformation-boosting technology, the UltraClone DNA Ligation and Transformation Kit increases plasmid, cosmid, and bacterial artificial chromosome recombinant yields up to tenfold using any E. coli-type cloning vector. Simply use the kit reagents to ligate your insert into your vector and transform. The kit’s includes CloneSmart engineered DNA ligase, buffers, and a choice of E. cloni high-efficiency chemically competent or electrocompetent cells.
Lucigen For information 608-831-9011 www.lucigen.com

Genomic DNA Preparation in Minutes
GenScript Tissue Direct and BloodReady PCR (polymerase chain reaction) Systems enable scientists to prepare genomic DNA in less than 12 minutes from any tissue, including blood, animal tails, paraffin tissue, fresh or frozen tissue microdissection, hair shaft, buccal cells, saliva, sperm, and cells. The genomic DNA can then be used to amplify a single or multiple sequences. Highly specific amplification of genomic DNA is achieved by using HotStart Script DNA polymerase. The system is highly automation-compatible.
GenScript For information 732-885-9188 www.genscript.com

Anti-PolyHistidine Antibody
A Biotinylated Anti-PolyHistidine antibody is available for use in protein immunoblot detection of fusion proteins tagged with 6xHistidine. The antibody is raised in goat against a synthetic 6xHis peptide, affinity-purified, and optimally labeled with biotin. Binding of this antibody is equivalent whether the polyhistidine tag is on the N- or C-terminus of the recombinant protein.
Vector Laboratories For information 650-697-3600 www.vectorlabs.com

Gentle Protein Purification
The novel Softag purification system is an epitope tag immunoaffinity product that allows for single-step, high-purity, gentle isolation of recombinant proteins. Resins are available that are suitable for purification of recombinant proteins in eukaryotic or prokaryotic expression hosts. The elution method does not denature the target protein or disrupt the associated protein complex. Researchers will find uses in the isolation of multi-subunit enzymes, difficult-to-purify proteins, protein–protein interaction studies, immunoprecipitation, and isolation of labile, enzymatically active proteins. It requires no expensive protein purification equipment nor expensive reagents for elution. The gentle nature of the isolation method also means the resin can be re-used multiple times.

NeoCline Biotechnology For information 608-260-8190 www.neocline.com

Compound Stability Measurements
A new method is available for using the CoulArray electrochemical (EC) system as a tool to perform compound oxidative stability measurements in the drug discovery process. The EC system, used as an oxidative method, closely mimics the oxidative degradation of compounds. The CoulArray performs a wide variety of single electron oxidation reactions for predicting the oxidative stability of a compound under one or more conditions. These assays can be conducted very rapidly, in a few seconds per sample, allowing for the quick testing of large numbers of samples. The CoulArray allows researchers to gather important information about a compound’s inherent stability and make earlier and better decisions about a compound’s suitability for development, which can have a major impact on both synthetic and medicinal chemistry efforts.
ESA For information 978-250-7000 www.esainc.com

Filtered Balance Systems
XPert Filtered Balance Systems provide user protection during weighing procedures by keeping powders and particulates frequently found in pharmaceutical, dry chemical, mold, and asbestos weighing operations contained and away from the operator. The interior depth of 23 inches accommodates large micro and analytical balances. Containment-enhancing features include the patented Clean-Sweep air foil that allows air to sweep the work surface, the upper containment sash foil to bleed air into the enclosure to direct concentrations of contaminants away from the users’ breathing zone, and a zone-perforated rear baffle that creates horizontal laminar airflow. A true bag-in/bag-out filter disposal system allows the high efficiency particulate air filter to be safely removed and replaced by a certified technician.
Labconco For information 800-821-5525 www.labconco.com

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