Glyco Protein Staining

Glyco-Stain allows for the staining of glyco-protein bands that may not be visible if stained with ordinary Coomassie dye or silver staining methods. Using a modified silver enhancement, it achieves a nanogram level of sensitivity, with more than a two-fold increase in glycoprotein and proteoglycan detection. Glyco-Stain detects both glycosylated and non-glycosylated proteins. Genotech/G-Biosciences For information 314-991-6034 www.GBiosciences.com

LabSafe GEL Blue

A sensitive Coomassie dye-based protein stain that is also environmentally safe can detect as little as 4 ng bovine serum albumin without any need for destaining. The ready-to-use format produces rapid protein band visualization on gels following electrophoresis. After a brief wash step, LabSafe GEL Blue is added directly to the protein gel. Genotech/G-Biosciences For information 314-991-6034 www.GBiosciences.com

Antigen Unmasking Solution

The High pH Antigen Unmasking Solution is a TRIS-based formula that is highly effective at revealing antigens in formalin-fixed, paraffin-embedded tissue sections when used in combination with a high temperature treatment procedure. The solution is supplied as a concentrated stock, sufficient to prepare 25 liters of working solution. Vector Laboratories For information 650-697-3600 www.vectorlabs.com

Flow Cytometry Cell Isolation

New DynaBeads FlowComp cell isolation technology is a tool compatible with flow cytometry that is designed to isolate cells and avoid the negative cellular effects caused by foreign immunogenic substances. Cells are isolated with a simple tube-based magnetic separation that leaves the isolated cells bead-free, allowing downstream use in any cell-based application. FlowComp products are built on the inert Dynabeads technology, so no harmful substances such as iron oxides or dextran, which remain following other isolation techniques, are left to negatively influence results. The first products featuring this new technology allow mouse and human T cell isolation. Invitrogen For information 800-955-6288 www.invitrogen.com

Multiplexed PCR-Based Assays

QIAplex polymerase chain reaction (PCR) multiplex technology allows sensitive detection of multiple molecular targets in one test. Until now, samples that could contain multiple pathogens such as viruses, bacteria, and other disease markers have had to be analyzed with assays that typically test for one to three molecular targets. QIAplex-based multiplexing has great advantages compared with single-target assays, since one or more targets can be detected in one test from one sample. This permits sensitive and simultaneous analyses of multiple nucleic acid targets. The newly launched research-use QIAplex panels—ResPlex I Panel, ResPlex II Panel, and StaphPlex Panel—allow parallel detection of more than 10 bacterial and viral targets in a single reaction. The ResPlex I and ResPlex II panels detect respiratory bacterial and viral nucleic acids. The StaphPlex Panel allows identification of methicillin-resistant Staphylococcus aureus for research applications. Qiagen For information 800-426-8157 www.qiagen.com

Imaging Agent Antibody Conjugates

Kodak X-Sight Imaging Agent Antibody Conjugates for in vitro imaging applications join an existing line of organic fluorescent nanoparticles for in vivo applications. The conjugates are suitable for protein immunoblotting applications, which use gel electrophoresis to separate proteins from a sample of cell or tissue based on molecular weight and size. Once the proteins are separated, a primary antibody targets the specific protein of interest. These conjugates attach to the primary antibody and illuminate when excited by the appropriate wavelength of fluorescent light, thus allowing researchers to visualize and quantify the protein under investigation. The superior brightness these conjugates offer means higher levels of sensitivity and detection of smaller amounts of proteins can be achieved. Designed to be biocompatible and nontoxic, they provide a bright and robust platform for translating molecular imaging experiments from in vitro to in vivo applications. Eastman Kodak For information 877-747-4357 www.kodak.com/go/molecular

Blood Pressure Monitoring

The Non-Invasive Blood Pressure Monitoring System (NIPB) provides an easy and reliable technique for measuring systemic blood pressure and cardiovascular parameters in rodents without invasive catheterization. The NIPB calculates systolic, diastolic, and mean blood pressure in real time with complete reliability. The transducers and cuffs can be exchanged to accommodate up to 12 animals of varying sizes up to 500 g. Researchers can customize their NIPB systems with heaters, scanners, and specialized software. Stoelting For information 630-860-9700 www.stoeltingco.com/physio

Ultra-Bright X-Ray Source

The Microstar Ultra is a bright x-ray source for structural biology that is comparable in brightness to many second-generation synchrotron beams. Featuring advanced electron optics and the patent-pending Hypercool anode cooling design, the Microstar Ultra produces x-ray intensities of $8 \times 10^{15}$ x-rays/mm²/sec, higher than any conventional rotating anode generator. This increase in performance is beneficial for all aspects of in-house crystallographic research, from high-throughput crystal screening to structural determination. It makes the instrument suitable for analyzing even the smallest crystals. The unit is compact and low maintenance, and offers an affordable path for existing Microstar generators to be upgraded to the Ultra. Bruker AXS For information 978-663-3660 www.bruker-axs.com