IMMUNOHISTOCHEMISTRY WORKSTATION

The Microlab Immunostain NIMBUS Workstation is designed for automated immunohistochemistry (IHC) and in situ hybridization (ISH) applications. This compact, automated, and cost-effective workstation accepts multiple slide configurations and staining kit brands for simple and error-free operations. Immunofluorescent staining is a laborious process that takes hours to complete and is subject to handling errors. However, labs now have a cost-effective alternative that significantly speeds the process, improves the chain of custody for samples processing and provides standardized, more quantifiably comparable results. The Immunostain NIMBUS Workstation reduces reagent use and removes operator-to-operator variability. It can process up to 24 slides at once and fully supports single-color and multicolor IHC and ISH kits. The NIMBUS workstation can also process slides for conventional light microscopy and comes with two washing options: automated pipetting or a tilt module. The demo method included with the Immunostain NIMBUS Workstation offers an easy-to-use software wizard.

Hamilton Company
For info: 800-648-5950 | www.hamiltonrobotics.com

CUSTOM PHOSPHO-SPECIFIC ANTIBODIES

A new custom phospho-specific antibody production service is now available that is both reliable and produces highly specific quality antisera. Phospho-specific antibodies are widely accepted for use in defining regulatory mechanisms that control cell functions such as activation of enzymes and receptors, cellular transcription, signal transduction, and cell signaling networks. Phospho-specific antibodies are affinity-purified rabbit polyclonal or monoclonal antibodies that are monospecific for a target protein that is phosphorylated on a specific tyrosine, threonine, or serine residue. The custom phospho-specific polyclonal antibody service includes synthesis of phosphorylated and nonphosphorylated peptides, conjugation to a carrier protein, immunization, and anti-sera production. All antibodies are then purified using a two-step immuno-affinity method. The purified phospho-specific antibody is fully characterized using both dot-blot and enzyme-linked immunosorbent assay techniques to ensure product of the highest consistency and quality. Hundreds of custom phospho specific antibodies have been successfully made by AMSBIO and supplied to leading international research groups.

AMS Biotechnology
For info: +44-(0)-1372-824290 | www.amsbio.com

ANTIBODY PRODUCTION SERVICES

Medix offers customized services for the in vitro generation of high-performance recombinant or monoclonal antibodies and Fab fragments for superior in vitro diagnostic (IVD) assays. With all antibodies produced to the strictest international quality standards (ISO 9001, ISO 13485, and FDA QSR) the services equip manufacturers with a competitive advantage, helping to increase sales revenue without the need to invest in costly production facilities and expertise. The advanced phage display recombinant production technology of the MedixMAB by Design service enables the targeting of a broader range of antigens than possible in vivo, including poorly immunoreactive and toxic compounds, with production available on a range of scales (milligrams to kilograms). As a rapid alternative to producing full length monoclonal antibodies, Fab fragments can be generated in just three months, and greatly enhance specificity and sensitivity of IVD assays in solid-phase applications. MedixMAB Manufacturing presents a cost-effective and flexible monoclonal antibody outsourcing option for IVD manufacturers.

Medix Biochemica
For info: +358-9-547-680 | www.medixbiochemica.com

HIGH THROUGHPUT CHIP ASSAY PLATE

The Chromatrap96 HT is an innovative 96-well chromatin immunoprecipitation (ChIP) assay plate is a new high throughput ChIP microplate based on the novel spin-column ChIP technology. It is essentially 96 separate Chromatrap spin-columns in one device designed to enable researchers to perform up to 96 ChIP experiments in parallel. Assays can be performed either by using a hand-held multichannel pipette or by using automated liquid handling robots. The optimized Chromatrap spin-columns protocol forms the basis of the approach to performing high throughput ChIP analysis in microplates. Each well has its own porous disc at the bottom in which protein A or protein G has been covalently attached. The functionalized discs have the same chemistry and stoichiometry as the spin columns so all of the reagent volumes and timings can be directly inferred from the spin-tube protocol. The microplate is supplied with a close fitting collection plate to recover the retained chromatins at the elution step.

Porvair Sciences
For info: +44-(0)-1372-824290 | www.porvair-sciences.com

PROTEIN AND PHOSPHOLIPID REMOVAL PLATE

The ISOLUTE PLD+ is a protein and phospholipid removal plate designed for the cleanup of blood-based matrix samples for analysis by liquid chromatography-tandem mass spectrometry (LC-MS)/MS. ISOLUTE PLD+ plates combine protein and phospholipid removal in a single product providing very effective and extremely simple sample cleanup for LC-MS/MS analysis. Utilizing our solvent crash/filter process, the plates also incorporate a phospholipid scavenging sorbent layer, which removes phospholipids from the sample during the filtration step. ISOLUTE PLD+ plates remove more than 99% of plasma proteins and phospholipids, the main causes of ion suppression. This leads to cleaner extracts and enables increased sensitivity and signal-to-noise for the detection of a broad range of analytes. Once purified, samples can be analyzed directly, or evaporated and reconstituted in a solvent that matches your analytical method requirements. ISOLUTE PLD+ plates can be processed using 96-well compatible positive pressure manifolds, vacuum manifolds, and most automated liquid handling systems.

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