

## Kinase Assay Kits

TruLight Kinase Assay Kits and the TruLight Universal Kinase/Phosphatase Assay Kit provide new technology for rapid, sensitive detection of enzyme activity. The assays are also convenient for inhibitor screening. Unlike fluorescence resonance energy transfer or traditional fluorescence quenching assays, in which quenching is equimolar between donor and receptor, TruLight assays make use of polymer superquenching, which results in assays that are up to 10 times more sensitive. These kits do not require special equipment, radioactive materials, or secondary (detector) enzymes or antibodies.

**EMD Biosciences** For information 800-854-3417 [www.calbiochem.com/trulight](http://www.calbiochem.com/trulight)

## Gene Regulation Antibody Array

The Panorama Ab Microarray – Gene Regulation I Kit is designed for studying protein expression in cell or tissue extracts and is compatible with human, mouse, and rat proteins. The antibodies in the array represent families of proteins found in the nucleus that are involved in chromatin remodeling and regulation of gene expression. These include transcription factors and histone modifying enzymes, along with antibodies that specifically recognize histone modification.

**Sigma-Aldrich** For information +44 (0) 1260 296505 [www.sigma-aldrich.com](http://www.sigma-aldrich.com)

## Mass Spectroscopy Silver Stain

FOCUS-FASTsilver is a reliable and economical alternative to current silver staining methods. A 60- to 90-min protocol delivers sensitivity of less than 1 ng with clear backgrounds and sharp, clean bands of proteins or nucleic acid. The kit contains no glutaraldehyde and is supplied with silverOUT, which removes inhibitory silver ions for complete trypsin protease digestion.

**G-Biosciences/Genotech** For information 314-991-6034 [www.GBiosciences.com](http://www.GBiosciences.com)

## Recirculating Chiller

A compact, economical recirculating chiller designed to provide reliable heat removal for lasers and other precision laboratory equipment is now available. Capable of maintaining process temperatures from 5° to 35°C, the Durachill 1.5 HP Chiller provides up to 6328 watts of cooling at 20°C ambient and fits conveniently under a standard height laboratory bench. It comes with a wide variety of standard and optional features and is available in both air- and water-cooled models. All models feature a microprocessor-based controller, digital temperature display, one-touch set point display, and digital pressure and flowrate display. These rugged chillers also feature adjustable fluid temperature, pressure, and flow rate alarms as well as a high ambient temperature alarm. Among the options available are remote temperature tracking capability, serial output, audible and visual alarms, and a low liquid level indicator.

**PolyScience** For information 800-229-7569 [www.polyscience.com](http://www.polyscience.com)

## Proteomics Software

Dymension 3 is software for rapid, reproducible analysis of proteins run on two-dimensional (2D) multi-stain gels such as cyanine dyes. For proteomics studies, 2D multi-stain gels are considered a more

precise method of analysis because each protein spot has its own internal standard, which eliminates the problem of gel-to-gel variation. However, aligning these gels can be a very time-consuming task. By using Dymension 3 software, scientists can automatically overlay images of gels, showing up to three contrasting fluorescently labeled protein samples. Then through its spot-finding algorithm, Dymension 3 can instantly locate and analyze protein spots, assigning statistical confidence to each difference, thus accurately highlighting specific relevant proteins.

**Dymension.** For information +44 (0) 1223 727123 [www.2dymension.com](http://www.2dymension.com)

## Fluorescence Measurement

The FluoroMax-P combines time-correlated single-photon counting, the most sensitive technique for obtaining fluorescence lifetimes, with steady-state measurements in an easy-to-use, tabletop instrument. Picosecond light sources from 280 nm and other sources in the ultraviolet through visible to near infrared range let the user tailor the instrument for the latest in fluorescence measurements, whether involving anisotropy, multiple lifetimes, or any other dynamic technique.

**Horiba Jobin Yvon**

For information 732-494-8660 [www.JobinYvon.com](http://www.JobinYvon.com)



## Dual Detector

The Model 270 Dual Detector is an entry-level system for laboratories looking to make detailed characterizations of proteins and other biomolecules. The Model 270 can be configured as a stand-alone low angle light scattering (LALS) detector or as an LALS and viscometry dual detector. The dual detector Model 270 can be added to any commercial gel permeation chromatography/size exclusion chromatography system equipped with a concentration detector, converting it into a powerful triple detector system. The

affordable Model 270 allows researchers to make routine direct determination of absolute molecular weight for a wide range of proteins, peptides, and biomolecules. Unlike multi-angle light-scattering techniques that only determine molecular weight by extrapolation, the Model 270 LALS measures molecular weight directly and thus is inherently more accurate. Incorporating patented optical technology that effectively operates at an angle of only 7 degrees, the detector represents a breakthrough in light-scattering technology. Configured with an additional differential viscometer, the Model 270 provides valuable further information

including hydrodynamic radius, density, and conformation as well as providing structural data such as branching and aggregation.

**Viscotek** For information +44 1344 467180 [www.viscotek.com](http://www.viscotek.com)

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