

# NEW PRODUCTS

## Leica

For more information  
847-405-7026  
www.leica-microsystems.com  
[www.scienceproductlink.org](http://www.scienceproductlink.org)

microscopy and opens up new dimensions for research in cell and developmental biology. 4Pi microscopy makes use of a special phase-corrected and wavefront-corrected, double-objective imaging system linked to a confocal scanner to enable a fourfold to sevenfold increase in axial resolution compared with confocal and two-photon microscopy. Even in live specimens, axial sections of about 100 nm can be obtained. The system maintains all of the advantages of fast scanning.

## Pierce

For more information  
800-874-3723  
www.piercenet.com  
[www.scienceproductlink.org](http://www.scienceproductlink.org)

method of discovering new interactions or confirming data from co-immunoprecipitation, pull-down, or yeast two-hybrid experiments. The label transfer method has emerged as a powerful new tool in protein interaction analysis because of its ability to capture weakly or transiently integrating systems.

## Berthold Technologies

For more information  
+49 7081 177 128  
www.bertholdtech.com  
[www.scienceproductlink.org](http://www.scienceproductlink.org)

AlphaScreen, FRET (fluorescence resonance energy transfer), and BRET (bioluminescence resonance energy transfer). The Mithras LB 940 operates with dedicated optical paths to ensure the best available performance in each technology. The unit's software supports a multitude of functions, including standard curves and kinetic data reduction. For medium-throughput environments such as assay development or secondary screening, the instrument can be equipped with a stacker.

## Eastman Kodak

For more information  
877-SIS-HELP  
www.kodak.com  
[www.scienceproductlink.org](http://www.scienceproductlink.org)

Image Station 2000MM Multimodal Imaging System features selectable, multi-wavelength illumination allowing for specific excitation and differential detection of multiple fluorochromes in gene expression assays such as Western blots. With this system, a Western blot can be probed with multiple antibodies simultaneously, improving throughput compared with stripping and re-probing blots in a serial fashion. The system's software allows images to be pseudocolored and overlaid to view both simultaneously. The instrument offers quantitative imaging of luminescent-, fluorescent-, radiographic-, and colorimetric-labeled biomolecules in a variety of common assay formats, including

## FLUORESCENCE MICROSCOPE SYSTEM

The Leica TCS 4Pi fluorescence microscope system represents a leap in resolution in commercial three-dimensional (3D) fluorescence microscopy

## BIOTIN LABEL TRANSFER KIT

The ProFound Sulfo-SBED Biotin Label Transfer Kit for Western Blot Applications provides researchers performing protein:protein interaction studies with an in vitro

## MULTIMODE READER

Mithras is a versatile multimode microtiter plate reader that can read absorbance, luminescence, fluorescence (top and bottom), fluorescence polarization, AlphaScreen, FRET (fluorescence resonance energy transfer), and BRET (bioluminescence resonance energy transfer). The Mithras LB 940 operates with dedicated optical paths to ensure the best available performance in each technology. The unit's software supports a multitude of functions, including standard curves and kinetic data reduction. For medium-throughput environments such as assay development or secondary screening, the instrument can be equipped with a stacker.

## DIGITAL IMAGING OF MULTIPLE FLUOROCHROMES

A new digital imaging system enables high-sensitivity detection of one or more fluorochromes in Western blotting assays. The Kodak

membranes, electrophoresis gels, plates, tissues, and in vivo assays. With true 14-bit imaging performance, mega-pixel resolution, a 10× optical zoom, and comprehensive image analysis capability, the IS2000MM produces high-performance molecular imaging results for the widest range of sample formats on one easy-to-use imaging platform.

## Sigma-Aldrich

For more information  
800-521-8956  
www.sigma-aldrich.com  
[www.scienceproductlink.org](http://www.scienceproductlink.org)

thousands of peptides at 70% purity. Higher purity is available on request. Peptides are synthesized in quantities from 0.5 to 2 mg in which 100% of the peptides are analyzed by matrix-assisted laser-desorption ionization-time-of-flight mass spectrometry. The platform allows peptide libraries to be synthesized, analyzed, and delivered in less than seven days. The peptide libraries can be used in diverse applications such as epitope mapping, interaction profiling, substrate specificity profiling, vaccine development, immunogen detection, peptide microarray production, protein-protein or receptor-ligand interactions, and alanine scans.



## Molecular Research Center

For more information  
888-841-0900  
www.mrcgene.com  
[www.scienceproductlink.org](http://www.scienceproductlink.org)

TRI Reagent now comes with an improved protein extraction protocol that significantly reduces the time required for protein recovery, provides a more manageable protein pellet, and improves total protein recovery. It allows comprehensive analysis of gene expression in a variety of cell and tissue samples.

## Millipore

For more information  
800-MILLIPORE  
www.millipore.com  
[www.scienceproductlink.org](http://www.scienceproductlink.org)

contains additional protocols, a new troubleshooting section, and photographs of sample blots. The handbook also has a review of new methods such as matrix-assisted laser desorption ionization-time-of-flight analysis of blotted proteins.

## CUSTOM PEPTIDE LIBRARY TECHNOLOGY

The PEPscreen peptide synthesis platform allows high-throughput synthesis of custom peptide libraries (6 to 20 amino acids) comprising

## TRI REAGENT

TRI Reagent is a reliable, cost-effective, and efficient method for RNA isolation or for the simultaneous isolation of RNA, DNA, and protein from a single biological sample. TRI

## LITERATURE

*Protein Blotting Handbook* contains optimized protocols for all of the essential protein blotting techniques, including Western, dot, slot, and immunoblotting. This third edition

Newly offered instrumentation, apparatus, and laboratory materials of interest to researchers in all disciplines in academic, industrial, and government organizations are featured in this space. Emphasis is given to purpose, chief characteristics, and availability of products and materials. Endorsement by *Science* or AAAS of any products or materials mentioned is not implied. Additional information may be obtained from the manufacturer or supplier by visiting [www.scienceproductlink.org](http://www.scienceproductlink.org) on the Web, where you can request that the information be sent to you by e-mail, fax, mail, or telephone.

# Science

## New Products

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