

# NEW PRODUCTS

<http://science.labvelocity.com>

## Transcription Factor Analysis

The BD TransFactor Universal Kits can be used to study any transcription factor–DNA interaction. The enzyme-linked immunosorbent assay-based method is compatible with nuclear, whole cell, and cytosolic extracts and can analyze several different transcription factors simultaneously.

**BD Biosciences** For information 800-662-2566 [wwwbdbiosciences.com/clontech](http://wwwbdbiosciences.com/clontech)

## DNA Isolation

The PlasmidMAX DNA Isolation Kit provides all the reagents necessary to purify plasmids free of RNA and genomic DNA. The resulting high-quality DNA permits sequencing reads of at least 600 bases. The simple procedure requires only two 1.5-ml tubes and is scalable for larger volumes.

**EPICENTRE Biotechnologies** For information 800-284-8474 [www.EpiBio.com](http://www.EpiBio.com)

## Laser Technology in Proteomics

Novel Smartbeam laser technology is now a feature of the Ultraflex II matrix-assisted laser desorption ionization–time-of-flight/time-of-flight (MALDI-TOF/TOF) mass spectrometer for cutting-edge proteomics applications. Conventional lasers used in TOF/TOF mass spectrometry can have significant limitations that make them less suitable for a number of important applications, including intact protein analysis, MALDI imaging, and typical MALDI sample protocols for proteomics such as thin-layer preparations or synthetic polymer analysis. These analytical limitations have been overcome with the innovative, proprietary Smartbeam technology used in a novel variable repetition-rate 1 to 200 Hz solid-state laser system on the Ultraflex II system. The new technology permits the use of all matrices and sample preparation methods typically used in MALDI-TOF analysis, from dried droplet to sandwich preparation techniques. It achieves highest sensitivity from robotic sample preparation methods like thin-layer preparation, which offers on-target sample purification and avoids time-consuming pre-purification steps.

**Bruker Daltronics** For information 978-663-3660 [www.bdal.com](http://www.bdal.com)

## Gel Analysis Software

Dymension is software designed to increase productivity in proteomics research by accurately analyzing two-dimensional gels in seconds. In addition to its outstanding speed, Dymension has a new spot-finding algorithm for superb spot detection, resulting in minimal post-editing. Coupled with a completely automatic gel alignment process, Dymension eliminates the need to wait for the image to be analyzed. Instead, the whole imaging process to results and report generation takes just a few minutes.

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

## Transfection Technology

Magnetofection is a novel, simple, and efficient transfection method. This technology associates nucleic acids or viruses with cationic magnetic nanoparticles. The resulting molecular complexes are then transported into cells supported by an appropriated magnetic field.

Magnetofection makes use of the magnetic force exerted upon gene vectors toward the target cells, allowing higher transfection efficiencies in primary and immortalized cells. Three types of reagents are available: PolyMag, for all nucleic acid and all cell types; SilenceMag, for small interfering-RNA delivery; and CombiMag, for all vectors.

**OZ Biosciences** For information +33 (0) 491-82-81-72 [www.ozbiosciences.com](http://www.ozbiosciences.com)

## Vacuum Manifold

The MultiScreenHTS vacuum manifold for enhanced 96- and 384-well assay performance is suitable for both manual and automated laboratory environments. It can be configured easily for both flow-to-waste and analyte collection. For applications that require filtrate collection, the MultiScreenHTS vacuum manifold incorporates unique DirectStack technology to eliminate cross-talk. This feature enables the filter and collection plates to stack directly, thus removing any gaps between flow directors and receiver wells. In addition, DirectStack technology allows filtration cycles to be completed without manual intervention. The manifold's compact size makes it suitable for use with robotic systems.

**Millipore** For information 800-MILLIPORE [www.millipore.com/HTSmanifold](http://www.millipore.com/HTSmanifold)

## PCR Optimization Kit

The FailSafe Probes Real-Time PCR Optimization Kit, for use with target-specific probes, enables fast and easy optimization of efficiency and specificity in just one round of polymerase chain reaction (PCR) experiments. The kit contains FailSafe Enzyme Blend and a set of eight PCR 2X premixes that represent a complete range of PCR conditions. The kit is compatible with all real-time PCR instrument platforms and

types of fluorescently labeled probes.

**Epicentre Biotechnologies** For information 800-284-8474 [www.EpiBio.com](http://www.EpiBio.com)

## Cryogenic Vials

New Bar-Coded Cryogenic Vials are for processing large numbers of cryogenic samples and for use with automated readers. The vials can be used for a wide range of applications, including research in pharmaceutical, biotechnology, and forensic laboratories, and commercial operations for cell, tissue, and sample storage. The pre-printed bar codes eliminate the need to individually print and attach labels, and allow for masking the identity of samples when needed. The codes are highly chemical resistant and guaranteed to have no duplicate numbers.

**Nalgene** For information 877-523-0635 [www.nalgenelabware.com](http://www.nalgenelabware.com)

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# Science

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