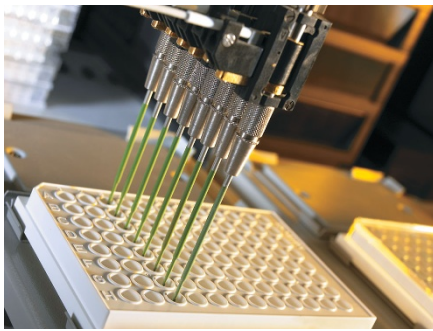


## Fine filters



Filter plates for kinase screening assays.

Millipore announces the availability of its MultiScreenHTS-PH **filter plates with phosphocellulose** for high throughput kinase screening assays. The 96-well filter plates are automation compatible and follow a prevalidated protocol for high sensitivity, high specificity and reliable kinase assay screening. They incorporate PH paper for optimized kinase assay performance. PH paper retains peptide substrates to remove the unreacted, labeled ATP (adenosine triphosphate). It also provides lower background and improved discrimination between drug target hits and non-hits. In addition, the paper is not subject to naturally fluorescent or quenching compounds. For this reason, the plates are especially compatible with aromatic-based libraries. Kinase assays are a critical step in both lead identification and later lead characterization processes. Filter-based tools are a proven method for kinase assays and in-plate radiometric analysis. Compared to most homogeneous assays, Millipore says, kinase assays completed on MultiScreenHTS-PH filter plates are easy to set up, and the need to design, develop, and optimize various combinations of reagents is eliminated. The plates are compatible with gripper arms and barcode labels on automated workstations.

Tel. (+1) 800-645-5476

<http://www.millipore.com/drugdiscovery>

## Enzymes

The ArrayScript **reverse transcriptase** is a modified enzyme that Ambion says produces up to twice as much cRNA compared to wild-type M-MLV or AMV and other engineered M-MLV reverse transcriptases when low amounts of total RNA are used (~100 ng). It

is intended for applications such as cDNA library construction, RLM-RACE and RNA amplification where high yields of full-length cDNA are critical.

Tel. (+1) 800-888-8804/(+1) 512-651-0200

<http://www.ambion.com>

## Arrays

With Panomics' **TranSignal mouse and human p53 target gene arrays** users can profile the expression pattern of p53 target genes in mouse or human tissues and cell lines. The TranSignal Mouse and Human p53 Target Gene Arrays allow users to quickly and easily determine which p53 target gene transcripts are induced or repressed in the cells under study. Each TranSignal Array kit comes complete with detection reagents: All users need to do is supply the starting material.

Tel. (+1) 877-726-6642

<http://www.panomics.com>

## Staining/labeling

The new ImmPRESS **polymerized reporter enzyme staining system** from Vector Labs is based on a new method of polymerizing enzymes and attaching these polymers to antibodies. The ImmPRESS reagents are said to provide very high sensitivity with very low background staining in immunohistochemical applications. The approach used to form enzyme 'micro-polymers' is designed to avoid the inherent shortcomings of using large dextrans or other macromolecules as a backbone. Attaching an enzyme micro-polymer with a greater density of highly active enzymes to a secondary antibody provides a reagent that has increased accessibility to its target, resulting in less background and enhanced signal intensity. In addition, fewer steps are required so staining times can be significantly shortened, says the company. The ImmPRESS anti-mouse Ig and ImmPRESS anti-rabbit Ig reagents contain a micro-polymer of a very active peroxidase coupled to the company's affinity-purified anti-mouse IgG (H+L) or anti-rabbit IgG (H+L) secondary antibodies. ImmPRESS reagents are supplied prediluted in a convenient dropper bottle: No mixing or titrating of ImmPRESS reagents is necessary to obtain optimal immunohistochemical staining.

<http://www.vectorlabs.com>

Tel. (+1) 800-227-6666

Six new **kits for the chemical, non-radioactive labeling of nucleic acids**, including single-stranded, double-stranded, linear or super-coiled DNA, oligonucleotides, RNA, PNA, chromosomes or PCR products are now available from Qbiogene. The kits utilize the universal linkage system (ULS) and are capable of labeling as little as 100 ng to as much as 10 µg of the target in a single reaction. The kits employ simple labeling protocols and can be used to attach biotin, dinitrophenol, fluorescein, dGreen, rhodamine or DEAC labels. Tel. (+1) 800-424-6101/(+1) 760-929-1700

<http://www.qbiogene.com>

## Thermal cycling



Applied Biosystems' compact thermal cycler.

The new, personal-sized Applied Biosystems 2720 **thermal cycler** is designed for a full range of PCR and cycle sequencing applications. While providing the same features, reliability, and performance found in the GeneAmp PCR System 9700, the company says it is one of the most economical instruments available. The only differences are the smaller size and lower price of the 2720 thermal cycler. This latest addition to the Applied Biosystems family of thermal cyclers is designed with vents in the rear, allowing several thermal cyclers to be placed tightly side-by-side to conserve valuable bench space. Compact Peltier heating and cooling devices allow a wide range of features to fit in an instrument measuring only 21 x 36 cm. An intuitive graphical user interface makes the thermal cycler simple and easy to program. Included is a melting point (T<sub>m</sub>) calculator that determines the primer annealing temperature based on nearest-neighbor analysis. In the event of electrical power interruption, the instrument retains all data.

Tel. (+1) 800-345-5224

<http://www.appliedbiosystems.com>