

## Filter plates



Solvent-resistant filter plates

Millipore offers the MultiScreen Solvinert solvent-resistant 96-well filter plate optimized for low binding and low extractables. The 96-well plates incorporate high flow, low binding membrane and inert materials to provide an ideal environment for demanding assay conditions. The plates are optimized for drug discovery applications, including total drug analysis, bead-based cleavage of new chemical entities from combinatorial libraries, sample preparation prior to high performance liquid chromatography and mass spectrometry. The automation-compatible, one-piece filter plate eliminates sample leaks and allows for extended incubations. To accommodate use with aqueous and non-aqueous samples, the filter plates are available with a choice of hydrophobic or hydrophilic polytetrafluoroethylene (PTFE) 0.45- $\mu$ m membranes. Both membranes feature greater than 99% retention of precipitated protein, fast flow rates and low extractables, says Millipore. The hydrophobic PTFE membrane is appropriate for organic solvent applications requiring extended incubation steps. Alternatively, the hydrophilic PTFE membrane eliminates pre-wetting requirements in high-throughput aqueous and solvent sample preparations.

Tel. (+1) 800-MILLIPORE  
www.millipore.com/solvinert

## Screening microscopy

Olympus offers a new **binocular observation tube** for the Olympus BX45 screening microscopes. The new tube provides the user with an inverted image, as well as having all the ergonomic features of the existing Ergotube. The inclination of the tube can be adjusted from 0° horizontal to a 25° angle.

Eyepoint height can be adjusted from 418 mm to 567 mm; it can be increased still further with the insertion of adapters if necessary. Moreover, the tube can be extended towards the user by up to 45 mm. Other features that are of value for screening work include an ultra-low position (just 128 mm above the benchtop), improved handling provided by the special 'ergogrips' and user-adjustable  $x$ - $y$  tension.

www.olympus-europa.com

## WW domain arrays

Does your protein of interest bind to WW domains and, if so, which ones? Panomics now offers a fast, simple **assay to detect protein interactions with as many as 67 commonly studied WW domains**. WW domain interactions are a pervasive mechanism for recruiting a diverse group of downstream proteins in signaling pathways. Exploring possible interaction partners one by one is laborious, time-consuming and expensive. With the TranSignal WW Domain Arrays I & II it is possible to obtain up to 34 answers in a single experiment. The assay couldn't be simpler, says Panomics. Incubate bacterial extract containing your ligand of interest, biotin-labeled peptide, or purified protein with the TranSignal WW Domain Array membrane. The protein interactions take place on the array membrane and can be visualized using HRP-based chemiluminescence detection.

Tel. (+1) 877-726-6642 (USA and Canada)  
www.panomics.com

## Thermal cycling



MJ Research's interchangeable sample block

The new MJ Research Moto Alpha **interchangeable sample block** (designed for use with any thermal cycler in the DNA Engine line) provides reliable plate positioning and sealing whether integrated into a

robotic walk-away system or as a stand-alone unit. Sealing force is specified in the software by the user, and the force is actively monitored for reproducible, high-pressure sealing. Evaporative loss is minimized, even for low-volume cycling reactions, says MJ Research. A non-stick block, with a plate lifter and lid-mounted ejectors, is said to ensure that the plate is always positioned for easy removal.

Tel. (+1) 888-735-8437  
www.mjrc.com

## Stereotaxic devices

Stoelting introduces the new Digital Lab Standard **stereotaxic instrument**. With this model, the company has added a sealed electronic sensor to each axis of the manipulator arm. Measurements are said to be accurate to 10 microns in all three directions. Movements in all three directions are now monitored by a large, easy-to-read LED display module. Moreover, a zeroing function allows the user to set a reference point for targeting specific coordinates on the animal's skull for injection and implantation. Calculation of distance measurements via the vernier scales is thus no longer necessary. The display of each axis can be zeroed at any location, making operation simple, says Stoelting. Target coordinates can be programmed into the memory of the 51900 (single manipulator) and 51903 (dual manipulator) Digital Lab Standard instrument.

Tel. (+1) 630-860-9700  
www.stoeltingco.com

## Transfection tools

Qbiogene offers a new line of transfection **reagents that deliver siRNA duplexes to mammalian cells**. The company says that jetSI provides up to 98% silencing of a transgene at 10 nM siRNA and up to 80% endogenous lamin A/C silencing in a variety of cell lines. Fluorescent derivatives of jetSI for use in experiments involving the tracking of intercellular delivery and trafficking of siRNA are also available. JetSI compacts siRNA duplexes into positively charged particles that interact with anionic proteoglycans at the cell surface and enter cells by endocytosis. Its properties are said to protect siRNA duplexes from degradation and promote rapid endosomal release into the cytoplasm. The reagent is designed to work effectively with and without serum.

Tel. (+1) 760-929-1700/(+1) 800-424-6101  
www.qbiogene.com