

New Products

PCR



Product: Thermocycler
Name & Manufacturer: Mastercycler nexus X1 from Eppendorf

Technology: A heating rate of 5°C enables very short run times. Up to three units can be combined for maximum throughput, and a booking schedule integrated into the software allows easy allocation of time to fit researchers' schedules. When in use, the Mastercycler may be connected to a computer network, supplying email status updates on the progress of the PCR run.

Advantages: The mastercycler provides researchers with increased heating and cooling rates while maintaining low power consumption and low noise emission levels (< 40dB[a]).

More Information: www.eppendorf.com/X1

UHPLC



Product: UHPLC system
Name & Manufacturer: Nexera X2 from Shimadzu

Technology: The SPD-M30A photodiode array detector provides superior stability and has

been designed for ultra-high sensitive applications. It suits the analysis of trace impurities and hazardous substances in food or drugs. The i-PDeA (intelligent Peak Deconvolution Analysis) function enables users to visualise and detect a minor single impurity even when the impurity is co-eluted with an analyte. Modifications applied to the pump side significantly improve the stability in gradient use while reducing small air bubbles passing through the degassing unit.

Advantages: The renewed system offers higher core performance as well as new features, improving analytical efficiency in a wider range of HPLC/UHPLC applications.

More Information: www.shimadzu.eu

Cell culture



Product: Strip inserts
Name & Manufacturer: Brandplates Insert System from Brand

Technology: The system for cell culture consists of 4-strip inserts and matching 24-well and 6-well plates. Unlike conventional insert systems, the Brandplates Insert System offers a high degree of flexibility for both manual and automated operation. The user can choose between two plate variants and two different membrane types of 4-insert strips. Four pore sizes are available.

Advantages: The insert strips with inlet openings make possible entirely new options for automation, because the feeding ports of the plates can be used to regulate the medium level within the inserts and quick and easy replacement of the medium is possible.

More Information: www.brand.de

Cell assays



Product: Reporter kits
Name & Manufacturer: X-MAN from Horizon Discovery

Technology: The X-man reporter kits are designed for investigation of protein expression levels, protein localisation within a cell, and protein-protein interaction within a molecular pathway, at natural levels of protein and promoter activity. The kits include genetically-defined reporter cell lines.

Advantages: These kits enable researchers to apply functional, cell-based assays that directly interrogate critical biological activities, at endogenous expression levels. The resulting data is therefore a closer representation of biological disease states.

More Information: www.horizondiscovery.com

Weighing



Product: Balance Apps
Name & Manufacturer: Q-Apps from Sartorius

Technology: The new Q-Apps are available for weighing applications that are frequently performed.

Advantages: Each application will guide the user step by step through the weighing process selected. Customised Q-Apps have been developed to meet special requirements that differ from standardised weighing processes

More Information: www.sartorius.com