Life Science Technologies
new products

UV-Visible Detector
Uniqsis Ltd's Flow-UV is an affordable, inline UV-visible spectrophotometric detector for flow-chemistry applications. This compact detector (18 cm × 18 cm × 17 cm) fits conveniently, even in crowded fume cupboards. Using the absorbance data from the detector allows dispersion experiments to be monitored in real time and enables product collection to be controlled according to the onset and decline of steady-state conditions. Unlike conventional deuterium UV lamps, the xenon flash-lamp source used in the Flow-UV has a lifetime of up to 10 years. Fiber-optic waveguides connect the high-pressure Flow-UV flow cell to the source and detector, permitting the flow cell to be positioned virtually anywhere in the flow path. The Flow-UV lets you select up to five wavelengths for monitoring a reaction, ensuring that detector saturation is avoided.
Uniqsis Ltd
For info: +44-(0)-845-864-7747
www.uniqsis.com

Flow Cytometer
The BD Accuri C6 Plus personal flow cytometer, together with BD reagents, delivers something every researcher should be afforded: the power of personal flow cytometry. With its compact 11-in. × 14.75-in. × 16.5-in. footprint, light weight of 30 lb, and operational simplicity, this instrument supports a wide array of applications, including immunology, cell and cancer biology, plant and microbiology, and industry. The versatile, easy-to-use BD Accuri C6 Plus enables many procedures, including cell signaling, calcium-flux analysis, CRISPR/Cas gene editing, cell counting, cell-cycle analysis, and more, all in a small, portable footprint.
BD Biosciences
For info: 877-232-8995
www.bdbiosciences.com

Fluorescence Illuminators
Whether you are observing fixed or live cells, X-Cite carries a complete range of lamps, LED microscope light sources, and fluorescence illumination systems to optimize imaging and ensure greater data reliability. These products are known for maximum stability and offer superior illumination uniformity for fluorescence microscopy applications, with lamp-based solutions that provide the convenience of prealigned, long-life lamps and easy installation. Delivering high-intensity LED illumination, the X-Cite XLE1D, X-Cite 120LEDBoost, X-Cite 110LED, and X-Cite TURBO feature intuitive controls and no bulbs to install, making setup and operation simpler than ever. From our standard X-Cite 120Q model used for routine assays to our most advanced models, we have the ideal system for your application.
Excilites Technologies
For info: 800-668-8752
www.excilites.com/pages/product/x-cite.aspx

hMSC Media
MSC NutriStem XF Medium is a defined, serum-free, xeno-free (XF) culture medium designed for optimal growth and expansion of human mesenchymal stem/stromal cells (hMSCs) derived from a variety of sources, including bone marrow, adipose tissue, and umbilical cord matrix. The medium supports long-term growth of hMSCs while maintaining their self-renewal and multilineage differentiation potential. hMSCs cultured in MSC NutriStem show superior proliferation and self-renewal potential in comparison to serum-containing media and other commercial serum-free media. In addition, hMSCs maintain their proper fibroblast-like cell morphology and trilineage differentiation potential, and demonstrate normal hMSC marker profiles and karyotypic stability over long-term culturing.

Biological Industries
For info: 860-316-2702
www.bioind.com/nutristem-msc-medium

Triple Quadrupole LC/MS System
Agilent's 6495B Triple Quadrupole LC/MS System combines high-performance liquid chromatography and triple quadrupole mass spectrometry in an integrated system that delivers sensitivity and accuracy for applications such as peptide quantitation, food safety, environmental testing, clinical research, and forensic toxicology. The 6495B provides improved mass range, scan speed, and polarity switching—all of which enable scientists to better analyze molecules from a wide array of sample matrices. It also incorporates a gate valve that facilitates quick and easy removal of the inlet capillary without having to vent the instrument, enabling increased uptime and productivity. With fewer moving components, it also minimizes wear and particulate generation, reducing the need for maintenance. Coupled with Agilent MassHunter software, which simplifies sample management and analysis, the 6495B accelerates analysis, delivering even more reliable results and quickly turning data into insights.
Agilent Technologies
For info: 800-227-9770
www.agilent.com

Mouse Embryo Assay
MEGA from Irvine Scientific is a new mouse embryo assay that measures gene expression for quality control testing of raw materials used for the manufacture of media for in vitro fertilization. In studies, MEGA demonstrated increased ability to detect embryotoxic materials that could adversely affect embryo development. Using embryos from a genetically engineered mouse strain, MEGA employs a functional molecular biomarker to improve detection of toxic media or any other environmental stress that may negatively impact early development. The assay measures both early fluorescence intensity and the location of fluorescence produced by green fluorescent protein, which is expressed under the control of the Oct4 promoter (also known as Pou5f1). Regulation of Oct4 expression is one of the most critical early indicators of normal embryonic development.
Irvine Scientific
For info: 800-577-6097
www.irvinesci.com
New Products

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