

new products: cell/tissue culture

**Wound-Making Tool**

The AutoScratch Wound-Making Tool from BioTek Instruments Wounds facilitates two-dimensional collective cell migration and invasion applications. AutoScratch automatically creates consistent scratches of equivalent size and area in confluent cell

monolayers grown in 24- or 96-well microplate format. The compact system easily fits into laminar flow hoods, while an integrated, multireservoir cleaning trough and preprogrammed method offer hands-free cleaning and decontamination of the interchangeable pin heads before and after use. In addition to kinetically monitoring cell migration and invasion, the automated instruments include Gen5 software to automatically calculate wound width, percent wound confluence, and maximum wound-healing rate.

BioTek

For info: 888-451-5171
www.biotek.com

FFPE Cancer Cell Line Controls

AMS Biotechnology has expanded its range of high-quality formalin-fixed, paraffin-embedded (FFPE) cancer cell line controls for immunohistochemistry, in situ hybridization, and NGS applications. Cells are harvested by a proprietary trypsin-free method that protects cell-surface antigens and inflicts minimal physical damage, thus preventing a loss of biomarkers. With over 100 tumor cell lines from major cancer types, controls are available in an unmatched variety of formats, including whole blocks, arrays, and scrolls that can be tailor-made to suit your workflow. These cell line controls exhibit highly consistent density and homogeneity across the entire cell-pellet slide and throughout a whole block, ensuring accurate results time after time.

AMS Biotechnology

For info: 617-945-5033
www.amsbio.com/cell_line_control_slides.aspx

384-Well Microtiter Plate

The μ -Plate 384-Well Clear Microtiter plate from ibidi combines automated cell cultivation with high-resolution microscopy. The flat, thin polymer coverslip bottom allows for excellent cell adhesion onto the tissue culture-treated surface. For the highest-quality images, the optical properties of the polymer bottom are comparable to those of glass. This innovative plate helps researchers in automated laboratories save time and money, enabling them to use diverse microscopy techniques with no disturbing autofluorescence. With a 50- μ L volume per well, the μ -Plate 384-Well Clear is ideally suited for high-throughput applications. It meets all requirements of the ANSI/SLAS standard, and is therefore compatible with various pipetting robots, imaging systems, and microplate readers.

ibidi

For info: 844-276-6363
ibidi.com

SPE Solution for Urine Drug Testing

Strata-X-Drug B Plus is a solid-phase extraction (SPE) sample-preparation product for urine drug testing in clinical and forensic toxicology labs. Drug B Plus features Phenomenex's Solvent Shielding Technology, which enables enzyme hydrolysis to be carried out directly in the microplate well, reducing transfer steps, time requirements, and cost. It is available in 96-well plate format. The product ensures high recoveries, low variation, and reduced solvent requirements, and its protocol eliminates conditioning and equilibration steps from traditional SPE methods. The sorbent enables extraction of more than 22 drugs of abuse, including opioids.

Phenomenex

For info: 310-212-0555
www.phenomenex.com

Human iPSC-Derived Atrial Cardiomyocytes

Axol Bioscience offers human iPSC-derived atrial cardiomyocytes for the discovery and development of novel treatments and for advancing our understanding of cardiovascular disease. Generated from the same donor as Axol's highly validated human iPSC-derived ventricular cardiomyocytes, this physiologically relevant cell line is quick, easy to use, and ready in just seven days from thaw, for electrophysiology, cardiac contractility studies, screening, and the investigation of cardiomyopathies. These cardiomyocytes are validated through an industry-recognized third party and validated against the Comprehensive in vitro Proarrhythmia Assay (CiPA) guidelines, and express typical targets, ion channels, and currents ($I_{Kv1.5}$, $I_{Kir3.x}$, I_{Kur} , I_{KACh} , MLC2a, and ANP) essential for the screening of cross-target effects, the development of atrial-specific target drugs, and the investigation of atrial fibrillation and inherited cardiac conditions.

Axol Bioscience

For info: 800-678-2965
www.axolbio.com

Benchtop Flow Cytometer

MilliporeSigma's CellStream benchtop flow cytometry system uses a patent-protected Amnis time-delay-integration (TDI) sensor and camera technology to capture low-resolution cell images and convert them to high-throughput intensity data with enhanced fluorescence sensitivity. The platform can be used in a wide variety of research areas, including exosome research, where it can identify small populations unable to be seen on other cytometers. CellStream offers multiple innovative features: Its fully customizable seven-laser capacity provides unparalleled versatility and the capability to obtain up to 22 detection channels; the system may be fully and quickly upgraded onsite to add more lasers if needed; the standard 96-well plate autosampler is available on all instruments to capture high-throughput intensity data; and the event gallery allows visual verification of cell populations and helps with troubleshooting.

MilliporeSigma

For info: 800-645-5476
www.luminexcorp.com/cellstream-flow-cytometers

Electronically submit your new product description or product literature information! Go to www.sciencemag.org/about/new-products-section for more information.

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