**FILTRATION CENTRIFUGE**

The Hermle Sieva-2 Filtration centrifuge offers a wide range of applications in chemical, pharmaceutical, biotech, food processing, and research laboratories. The two options of either perforated or non-perforated rotor baskets make the Sieva-2 ideal for filtration or solid/liquid sedimentation (decantation). The rotors are designed with cone-shaped centers to guarantee an even spread of filtered material and rinsing agent. The powerful induction drive motor reaches speeds of 10,000 RPM or 7,825 x g. Enhanced features include: speed selection from 250–10,000 RPM, transparent lid to visually monitor samples, imbalance detection system for added safety, 500 mL rotor basket with 10 rows of perforations, and intuitive control panel and large digital LED display.

**Labnet International**
For info: 888-522-6381 | www.labnetinternational.com

**HIGH PURITY REAGENTS**

The new, highly purified Chondroitinase ABC is supplied protease-free, carrier-free, and with low-endotoxin levels for use in neuroscience and regenerative medicine research. Chondroitin Sulfate Proteoglycans (CSPGs) are involved in the inhibition of axon regeneration after various forms of damage to the central nervous system, including stroke or spinal cord injury. The enzyme Chondroitinase ABC purified from *Proteus vulgaris*, degrades these CSPGs, and has been shown to promote functional recovery and neural regeneration.

**AMS Biotechnology**
For info: Tel: +44-(0)-1235-828200 | www.amsbio.com

**CIRCULATING TUMOR CELL DETECTION**

The combined subtraction enrichment and immunostaining-fluorescence in situ hybridization (iFISH) kits specialize in isolating and identifying various circulating tumor cells. Unlike a tumor cell surface molecule dependent antibody capture platform, whose application is restricted to only certain types of solid tumors, this novel technology efficiently enriches circulating tumor cells of various solid tumors via efficiently depleting white blood cells, followed by unique identification performed with integrated tumor marker immunostaining and chromosome enumeration. The kits are available for both human and mouse blood samples.

**Cytelligen**
For info: 858-509-9209 | www.cytelligen.com

**COMBINED MICROPLATE READER/IMAGER**

The Cytation3 Cell Imaging Multi-Mode Reader is the first combination Hybrid multimode microplate reader and imaging system. By combining multidetection and automated digital microscopy in one instrument, researchers can now glean data-rich quantitative and qualitative information from their cells like never before. Modular architecture allows users to select only what they need now and upgrade with additional modes as their needs evolve. The automated digital fluorescence microscope features brightfield imaging and color switching through onboard filter cubes. Red (Texas Red), green (GFP), and blue (DAPI) cubes are standard, with a fourth position available. Automated XY stage, autofocus, autoexposure, and software features increase throughput of CCD-based image capture, cell counting, and other tasks that are tedious when performed with manual microscopy systems. Onboard objectives in a magnification range from 2x to 20x allow the user to view an entire microplate well or to examine the minute details of intracellular activities.

**BioTek Instruments**
For info: 888-451-5171 | www.biotek.com

**SIRTUIN ACTIVITY ASSAY**

The SIRTainty Class III HDAC assay allows for simple, sensitive detection of sirtuin activity on any desired substrate. The assay utilizes a novel patent-pending technology for the sensitive detection of all known sirtuin family members. Unlike conventional assays that are dependent upon a single pre-labeled fluorescently tagged substrate, the SIRTainty Class III HDAC assay employs untagged acetylated peptide substrates. This approach not only enables unparalleled flexibility in the choice of sirtuin isoform and peptide substrate, but also eliminates the potential for artifacts due to the use of artificial substrates containing bulky fluorophores. Sirtuins are a class of enzyme that removes acetyl groups from a variety of proteins that play key roles in multiple biological processes. These enzymes, also known as class III HDAC (histone deacetylases), have been implicated in a variety of age-related diseases such as cancer, Alzheimer’s disease, and type 2 diabetes.

**EMD Millipore**
For info: 800-645-5476 | www.millipore.com

**CALCIUM ASSAY KITS**

The FLIPR Calcium 6 Assay Kits address diversified GPCR and ion channel targets. Featuring a proprietary fluorophore, the dye offers the highest quantum yield of any calcium indicator on the market, delivering the greatest signal window available in a calcium assay kit. This substantial increase in signal enables researchers to monitor low-responders, including biorelevant reactions from endogenous, primary, or stem cell targets. FLIPR 6 Calcium Assay Kits provide a comprehensive method for detecting intracellular calcium changes in a simple and reliable homogeneous assay format. Combining the novel fluorophore with proven proprietary quench technology, the new assay affords the highest signal to background ratio. The unique dye is more resistant to anion-exchange proteins, enabling measurement with minimal to no probenecid, an exchange inhibitor, when studying cell lines containing an organic anion transporter.

**Molecular Devices**
For info: 800-635-5577 | www.moleculardevices.com

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