Cell Culture Consumables
New Cell Culture Consumables offer a new dimension of safe, reproducible, and reliable cell culture work. Scientists and technical personnel in the field of cell culture have a strong need for easy, safe, and reliable products with improved handling that help prevent contamination. The latest products from Eppendorf deliver exceptional levels of product purity and security, as well as improved, ergonomic and safe handling of cell cultures and advanced protection against contamination. The new, easy resealable packaging concept complements the products’ unique features and performance. Eppendorf Cell Culture Consumables are made from ultraclear virgin polystyrene, which complies with USP class VI for highest purity. Cell Culture Consumables have a ISO class /GMP class C clean room production standard and a sterility assurance level (SAL) of 10^-6 as well as batch specific third-party quality testing ensuring exceptional product and sample safety. Innovative technologies in Eppendorf Cell Culture Consumables deliver ultimate ease of use.

Eppendorf
For info: 800-645-3050
www.eppendorf.com/ccc

Spheroid Culture Microplates
BrandTech Scientific announces the availability of inertGrade microplates for the cultivation of nonadherent cell lines, spheroids, and stem cells in a 96-well plate format. These polystyrene plates are manufactured in one of the largest, most modern cleanroom facilities for laboratory disposable items in the world. Rather than the more common treatments to enhance the natural hydrophobic characteristics of polystyrene, these new microplates are treated with a proprietary hydrogel. This creates a hydrophobic interface between the surface of the plastic and cellular material to inhibit cell and protein attachment. This unique low-binding microplate surface successfully suppresses the adhesion of a wide variety of adherent cell lines, can enhance the formation and maintenance of uniform spheroid cultures, and can inhibit early differentiation of stem cells or neurospheres. InertGrade 96-well microplates are available with round, flat, or curved bottoms in clear, white, black, and colored with transparent bottoms.

BrandTech Scientific
For info: 888-522-2726
www.brandtech.com

Automated Cell Counter
Life science researchers who want to expand their capabilities beyond traditional cell counting instruments can now do so with the Countess II FL, a next generation, benchtop assay instrument with a modular design that broadens the number of applications on a single platform. While most cell counters on the market have been limited to green and red fluorescent protein (GFP/RFP) channels, the new Countess II FL Automated Cell Counter is a three-channel (brightfield and two optional fluorescence channels) system that uses state-of-the-art optics and image analysis to perform assays for cells in suspension, including cell counting, fluorescent protein expression, apoptosis, cell viability, and cell cycle assays. Designed with flexibility in mind, the Countess II FL can also be configured to use a full range of EVOS light cubes that provide more than 13 fluorescence color options. The instrument can operate with a reusable glass chamber slide to reduce the cost of consumables.

Thermo Fisher Scientific
For info: 800-678-5599
www.thermofisher.com

Protein Detection System
The SNAP i.d. 2.0 Protein Detection System for Immunohistochemistry (IHC) represents a much-needed advancement in the IHC workflow. The power of IHC lies in its capacity to localize antigens within tissue samples, thereby identifying the cell types and subcellular compartments in which antigens are located. Traditional immunohistochemistry methods may be subject to process variability; for example, the process typically requires a lot of manual slide handling, as well as the use of pap pens and pipettes. The SNAP i.d. 2.0 Protein Detection System addresses these challenges by streamlining the handling of multiple slides. It decreases slide handling time and enables parallel processing of up to 24 slides at once, reducing slide-to-slide process variation without incurring the costs of automation. In addition, the system speeds wash steps and allows antibodies to be recovered and reused, saving researchers valuable time and resources. The system produces robust and consistent staining, without causing tissue degradation or blotchy artifacts.

EMD Millipore
For info: 800-645-5476
www.emdmillipore.com/snap

Imaging Software
Assisting researchers in gaining a deeper understanding of dynamic biological processes, the new cellSens imaging software (version 1.12) ensures the most efficient use of valuable time-lapse experiments and the latest microscopy hardware. Building on the capabilities introduced by Olympus with its unique Graphical Experiment Manager (GEM) interface, cellSens 1.12 allows the user to truly get in touch with their sample. Enabling effortless setup of complex acquisition sequences and protocols, the GEM presents an intuitive method to seamlessly control motorized hardware, delivering outstanding ease and efficiency for advanced live cell imaging applications. in cellSens 1.12, the GEM has further evolved to maximize the efficiency of multicolor z-stacking experiments. Prioritizing the use of fast devices such as piezometric z-axis modules reaches a new level of imaging speed, with the freedom to choose the sequence of motorization movements. Enhancing the efficiency of time-lapse applications, the improved GEM also enables investigations into short-term dynamics and long-term sample evolution side by side.

Olympus
For info: +49-402-3773-5913
www.olympus-europa.com/cellsens

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

Newly offered instrumentation, apparatus, and laboratory materials of interest to researchers in all disciplines in academic, industrial, and governmental organizations are featured in this space. Emphasis is given to purpose, chief characteristics, and availability of products and materials. Endorsement by Science or AAAS of any products or materials mentioned is not implied. Additional information may be obtained from the manufacturer or supplier.