CELL CULTURE CHAMBERS

The x-well cell culture system consists of slide-based vessels in a range of materials and chamber formats with excellent microscopic properties and chemical resistance. Slides are available in PCA plastic, glass, and 170 µm coverglass fitted with a polystyrene flask or one-, two-, four-, and eight-well chambers. All slide surfaces are treated for the cultivation of adherent cells. The chamber of PCA plastic slides can be easily removed without tools after cultivation, leaving no adhesive residues on the slide. All x-well products are conveniently and economically sold per sterile tray of six.

Sarstedt

For info: 800-257-5101 | www.sarstedt.com

CELL CULTURE MEDIA

Achieving desirable cell densities can present a challenge when culturing certain cell types. To address this problem, SensiCell has been developed as a first-in-class media for the enhanced growth of cells that are difficult to culture, such as the NK-92 human natural killer, BeWo human placental choriocarcinoma, and CaCo-2 human colorectal adenocarcinoma cell lines. SensiCell media are available in four types: RPMI, DMEM, DMEM/F12, and MEM. Each formulation includes GlutaMAX as a stable source of glutamine as well as a proprietary mixture of vitamins, amino acids, and other nutrients to enhance cell growth beyond limits typically achieved in traditional basal media. SensiCell is designed to be used with standard supplementation of 10% fetal bovine serum. With these proven benefits, SensiCell media offer researchers a new alternative for obtaining consistently healthy cultures of cells that are difficult to grow.

Life Technologies

For info: 800-955-6288 | www.lifetechnologies.com/sensicell

MICROPLATE READERS

The Biochrom EZ Read range of microplate readers has been developed to meet the specific application needs of scientists. Biochrom has created the EZ Read microplate reader range by matching its expertise in absorbance measurement with requests from scientists and technicians to make their experimental workflow easier and more effective. Biochrom offers a comprehensive solution for scientists running ELISA assays using Galapagos software's intuitive 'click and drag' approach for setup and analysis as well as offering a shaker/incubator and a microplate washer to complete the ELISA workflow. Biochrom's EZ Read range offers the broadest range of ELISA microplate readers so that scientists can choose the right instrument for their unique laboratory environment. The extensive EZ Read instrumentation range enables scientists to measure all their absorbance assays such as ELISA, total protein and cell viability assays, without the need to buy and install extra filters.

Biochrom

For info: +44-(0)-1223-423723 | www.biochrom.co.uk

DIFFERENTIATION MEDIUM

The OsteoMAX-XF is the first fully defined, xeno-free human mesenchymal stem cell differentiation medium for the differentiation of mesenchymal stem cells into osteocytes. Mineralization can be detected in less than one week, whereas competing products that contain serum require approximately 21 days to produce similar levels of bone formation. The formulation, licensed from Plasticell, produces more consistent and potent osteogenic differentiation than currently available formulations, enabling a more reproducible, efficient method for creating bone tissue and advancing research in bone disease and healing. Researchers will now be able to derive bone tissue from MSCs in a more rapid and consistent manner. The optimized, single application osteogenic medium was developed using Plasticell's combinatorial screening system that performed a rapid screen of 3,375 combinations of fully defined cell culture media, equivalent to hundreds of thousands of combinations of media components.

EMD Millipore

For info: 800-645-5476 | www.millipore.com/stemcell

AUTOMATED COLONY COUNTER

The new, cost-effective colony counting system, aCOLyte 3, is ideal for microbiologists who need to significantly increase their throughput and improve count accuracy. The automated colony counter is designed for a rapid count of pour, spread, and spiral plates. The system can read plates of up to 90 mm in seconds, generating precise plate count results up to 10 times faster than manual counts. The numerical count data and plate images can be directly transferred to Excel or OpenOffice to avoid errors in data transfer, ensuring accurate GLP compliant result reporting and archiving every time. The aCOLyte 3 provides full color image display and comes complete with software based on Synbiosis' powerful ProtoCOL 3 software. The aCOLyte 3 is lit by white LEDs mounted above and below the plate, enabling accurate detection of colonies as small as 0.3 mm, with the option to have a detachable screen fitted to prevent any reflection or glare affecting the count.

Synbiosis

For info: +44-(0)-1223-727125 | www.synbiosis.com/aCOLyte-3

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