

MAGNETIC BEADS

Streptavidin Mag Sepharose magnetic beads have a high binding capacity for efficient purification of biotinylated biomolecules and enrichment of target proteins. The magnetic beads provide simplified handling, as rapid capture is facilitated by magnetic devices while delivering scalability and high yield, from low microliter- to high milliliter-scale sample volumes. Streptavidin Mag Sepharose beads support reliable sample preparation for downstream analysis and have more than a 400-fold enrichment factor to enable an increased identification rate of target proteins. The magnetic beads are hydrophilic with a high density to ensure the beads do not aggregate, avoiding sample loss and increasing yield. Additionally, the MagRack Maxi magnetic rack provides easy handling and supports sample capacities of up to 50 ml, to provide capture of low-expressed target proteins from larger sample volumes. The MagRack Maxi consists of an anodized aluminium housing with a detachable plastic bar containing a neodymium magnet.

GE Healthcare

For info: 800-526-3593 | www.gelifesciences.com



PLATE WASHER/COATER

SQUIRT can wash any 96-, 384-, and 1536-well SBS formatted plate without manifold exchange or adjustment. SQUIRT's unique design sweeps a blade of liquid across the whole surface of the plate. This is followed by an air blade to dry the plate. This unique blade design eliminates clogging and the 'corona effect' (where cells are selectively removed from the center of the wells with traditional probe based instruments). SQUIRT microplate washers are perfect for any lab performing cell-based assays, enzyme-linked immunosorbent assays (ELISA), coating microplates, high content screening, and proteomics and genomics research. The SQUIRT can be fitted with a magnetic plate insert for applications using magnetic beads.

Matrical Bioscience

For info: 509-343-6225 | www.matrical.com

EX-VIVO CELL-THERAPY EXPANSION

The Cellbase CT system, which was developed in collaboration with cell-therapy experts, can be used in a good manufacturing practice (GMP) facility for rapid scale-up of existing manual cell-culture processes in T flasks. Cellbase CT provides researchers with a fully contained, aseptic cell-expansion area where the risk of external contamination or internal cross-contamination has been eliminated. This enables scientists to manufacture multiple autologous cell therapies from many individual patients in parallel, making the Cellbase CT a cost-effective alternative to labor-intensive manual cell culture. Cellbase CT comes with a range of tools to support validation in a GMP-regulated environment and has been developed and extensively tested to enable clean, reproducible expansion of clinically applicable stem cells and other cell types.

TAP Biosystems

For info: 302-478-9060 | www.tapbiosystems.com

MONOCLONAL ANTIBODIES

Monoclonal antibodies have become invaluable tools for researchers developing diagnostic tests and novel therapeutics. The 1,500 new mouse monoclonal TrueMAB antibodies have been specifically developed with full-length human proteins produced in HEK293T cells and validated for critical research and diagnostic needs that require improved antibody sensitivity and specificity. TrueMAB antibodies and hybridoma cell lines are generated using OriGene's large collection of full-length human proteins as primary antigens that have been affinity purified under native conditions to preserve natural protein conformations. As a result, TrueMAB antibodies provide high sensitivity and specificity for the recognition of native epitopes on the protein's natural conformational structure. All TrueMAB antibodies are routinely validated for critical applications such as immunohistochemistry, immunofluorescent staining, flow cytometry, immunoprecipitation, and Western blot analysis.

OriGene Technologies

For info: 888-267-4436 | www.origene.com

AUTOMATED CELL EXPANSION

The Quantum Cell Expansion System is designed to automate cell culture in a closed system. The cutting-edge technology is intended to support advancements in the field of cell therapy by streamlining cell culture processes while reducing the risk of contamination for large-scale cell manufacturing. Current methods used to culture cells are manual and complex, which can limit the ability to provide cellular therapy to a large number of patients. As an integrated, closed system, the Quantum Cell Expansion System improves the efficiency of the cell culture process—allowing for larger scale manufacturing of cells under good manufacturing practice (GMP) process control and with less risk of contamination.

CaridianBCT

For info: 877-339-4228 | www.caridianbct.com

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