

Hybridization Station

The a-Hyb Hybridization Station is an automated system for processing standard microarray slides that is suitable for integration into laboratory robotics and high-throughput settings. Its active circulatory system ensures efficient mixing and evenly distributes liquids over the microarray surface, thereby accelerating diffusion-limited processes and removing air bubbles. An accurate temperature control allows for standardization of incubation conditions, leading to greater reproducibility and reliability of the assays. It includes intuitive software that enables researchers to define conditions for each individual slide, such as hybridization temperature and supply of media. The user can handle up to four microarrays simultaneously in a microtiterplate-formatted slide carrier. The instrument is operated via touch screen.

Miltenyi Biotec For information +49 2204 8306-37 www.miltenyibiotec.com



Kits and Reagents

Trevigen's anti-8-oxo-dG antibody allows detection and quantitation of 8-hydroxyguanine in DNA, cell, and tissue samples and can be used in immunocytochemistry, enzyme-linked immunosorbent assays (ELISA), immunoprecipitation, and immunohistochemistry. The Glutathione Peroxidase Assay Kit can be used to measure glutathione-dependent peroxidases in plasma, erythrocyte lysates, tissue homogenates, and cell lysates. The kit is suitable for 96-well or cuvette format. The Universal 96-well PARP Assay Kit measures the incorporation of biotinylated poly(ADP-ribose) (PARP) onto histone proteins in a 96-well plate format. The assay is suitable for screening of PARP inhibitors and for measuring the activity of PARP in cell and tissue extracts. Important features of the assay include its colorimetric, nonradioactive format and its sensitivity down to 0.01 units of PARP per well.

Trevigen For information 800-873-8443 www.trevigen.com

Human Tumor Blots

Users can compare normal and tumor tissue proteins quickly and easily using tumor sets that are prepared with total protein extracts from normal and tumor tissue. Tumor Set I includes uterus, breast, cervix, ovary, testis, prostate, and rectum. Tumor Set II includes liver, lung, pancreas, stomach, thyroid, laryngopharynx, and skin. The user can choose the antibody and probe.

G-Bioscience/Geno Technology For information 800-628-7730 www.GBiosciences.com

Pathway Analysis Software

Version 4.0 of PathwayStudio (formerly Pathway-Assist) contains powerful new tools for microarray data analysis and pathway dynamics simulation, as well as more than 1000 reconstructed pathways. PathwayStudio 4.0 scales from desktop to enterprise-wide, and allows scientists to reconstruct

pathways, understand biology from microarray/proteomics data, predict drug side effects, and prioritize biomarkers in a complete, secure data management environment. New features and functionality include a simulation module to explore the dynamic behavior of pathways, new tools for building relevance networks from gene expression data, and the MedScan Reader biomedical literature browser.

Ariadne Genomics For information 847-644-1557 www.ariadnegenomics.com

Enhancer Dot-Blot

The Enhancer Dot-Blot allows for up to 384 dot blots of protein or nucleic acids on nitrocellulose or nylon membranes. This system concentrates liquid samples in a small area on a membrane through capillary action, thus enhancing signal strength. The system is supplied with sample application Tube-Strips and ready-to-use, pre-cut membranes, and there is no need for expensive equipment or vacuum pumps.

Genotech For information 314-991-6034 www.genotech.com

Desalting Spin Plates

The Zeba Desalt 96-well Plates are an effective tool for the efficient high-throughput removal of salt and small molecules (<1000 Da) from 20- to 100- μ g samples, preparing them for downstream analysis, including mass spectrometry, high-performance liquid chromatography, capillary electrophoresis, metabolite screening, and assay development. The ready-to-use plates, which do not require resin dispensing or hydration, contain a high-performance resin that provides exceptional desalting ($\geq 95\%$) and protein recovery, with minimal sample dilution for small molecules. One plate can be processed in 5 minutes.

Pierce. For information 815-968-0747 www.piercenet.com

Lentiviral Gene Set

A small hairpin RNA (shRNA) gene family set in lentiviral format is available for direct use in gene silencing. The Mission TRC shRNA Human Tumor Suppressor Gene Family is the first in a series of shRNA target sets that allow for rapid RNA interference cell-based screens in mammalian systems not easily manipulated by traditional siRNA. The lentiviral transduction particle format eliminates the need to propagate bacterial cells, purify plasmid DNA, or undertake the lengthy process of preparing virus, thus saving time and resources. Lentiviral-based shRNA can be used to create a stable knockdown in almost any mammalian cell types, including primary and nondividing cells.

Sigma-Aldrich. For information 800-521-8956 www.sigma-aldrich.com

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