



Reagent Cooler

A new reagent cooler is a custom-fit companion for VistaLab 100mL reagent reservoirs. It maintains fluid temperatures at less than 5°C for up to 2 hours. Manufactured with non-toxic gel encased in heavy-duty PVC (polyvinyl chloride), these bright blue coolers chill or freeze quickly, are reusable, and provide full and consistent reservoir cooling without the contamination risks or inconvenience of ice baths. VistaLab reagent reservoirs have been redesigned with trimmed base corners and deeper pour-off spouts for spill-free emptying, and feature a unique deep-well design that maximizes reagent recovery with minimal waste.

VistaLab For information 302-832-8266 www.vistalab.com

Chromatography Systems

Cell separation and protein purification sequences in the laboratory are critical components of process development for new therapies. They require multiple steps that are often labor-intensive and time-consuming. A new benchtop system automates the process, significantly improving laboratory efficiency and cutting down drug development by weeks or even months. The new PKL Chromatography System enables operations on a 24-hour continuous basis. This flexible tool performs process optimization for new drugs used in clinical trials and small-scale production. It also provides a roadmap for easy drug production scale-up.

Pall Corp For information 212-529-4500

www.pall.com

Avian Flu Detection

The Avian Flu Detection Sampler Set contains four polyclonal antibodies against hemagglutination and neuraminidase from a Southeast Asian strain of H5N1 influenza isolated in 2004. These antibodies can be used for the detection of the H5N1 hemagglutinin and neuraminidase proteins in bodily fluid, tissue, or cultured cell lines. They have been designed to have minimal cross-reactivity to other influenza strains. Immunogenic peptides are included as positive controls and to determine protein concentration.

ProSci Inc For information 888-513-9525

www.ProSci-inc.com

Signal Transduction Protein Array

The Panorama Human Signal Transduction Protein Array contains 259 full-length proteins that are involved in key cellular processes, including proliferation, differentiation, and apoptosis. This array makes use of a unique fusion tag that has been shown to confer protein functionality and that also serves to select, tether, and uniformly

orient proteins on a streptavidin-coated glass slide. This technology offers the unique advantage of allowing proteins to behave in a sterically unencumbered manner, thereby increasing the potential for acquiring data that is more closely representative of native physiological states. Signal transduction describes cellular response to external or internal stimuli and often results in fundamental cellular changes such as regulating gene expression or controlling cell proliferation.

Sigma-Aldrich For information

+44 (0) 1260 296505 www.sigma-aldrich.com

Conical Filter Units

Nalgene 50 mL Conical Filter Units, featuring Pall Supor machV polyethersulfone (PES) membranes, provide rapid vacuum filtration of biological sample volumes ranging from 20 mL to 50 mL. The filter is attached to a 50-mL centrifuge tube for faster, easier preparation of tissue and cell samples with reduced risk of contamination or spills. The Supor machV PES membrane, with a 0.2- μ m pore size, has been shown to accelerate flow rates up to 50 percent, while exhibiting low protein binding of cell culture media and other solutions. These filters can be used for even the most difficult-to-filter fluids, such as serum.

Nalge Nunc International For information

800-625-4327 www.nalgenunc.com

Mixer

The MixMate is for mixing and vortexing of aqueous solutions and suspensions in various micro test tubes and plates. It has five preset programs for the optimized mixing of 0.2-ml polymerase chain reaction (PCR) tubes to 2.0-ml micro test tubes; 96-well and 384-well PCR plates; and shallow and deep-well plates at a maximum mixing frequency of up to 3000 rpm. MixMate is suitable for controlled mixing of enzymatic reactions; controlled incubation of absorption; blocking or

reaction preparations; resuspension of DNA, RNA, protein, or cell pellets in tubes and plates; and vortexing in micro test tubes.

Eppendorf For information 800-645-3050

www.eppendorfna.com

Reporter-Tagged Genes

A variety of mouse and human genes that express reporter-tagged proteins are available for studies in cultured cells and transgenic animals. Unlike complementary DNAs, these clones carry complete native gene sequences, including sequence elements required for natural regulation of gene expression and alternative splicing. Reporters include epitope-tags, green fluorescent proteins, and luciferase.

SpectraGenetics For information 412-488-9350

www.spectragenetics.com

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Science

New Products

Science **313** (5787), 691.
DOI: 10.1126/science.313.5787.691

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