



Microplate Heat-Sealing Films

Porvair Sciences expanded range of heat-sealing films for microplates and tubes now includes clear, strong (Dura), heavy-duty and gas-permeable products with several variations that add flexibility and compatibility to suit all requirements for sample storage and collection. When heat is

applied to these products, a tight seal is formed on polypropylene, polyethylene, polystyrene, polycarbonate, and cyclin olefin copolymer (COC) microplates and tubes. Optically clear films from Porvair are available in a variety of formats, including peelable, pierceable, and strong nonpeelable. These seals are ideal for a wide range of applications, such as imaging, fluorescence, colorimetric assays, and PCR/quantitative PCR. All clear seals are also compatible with devices that use a heat-pressurized lid. The Dura range of durable, foil-based heat-sealing films are ideal for high-temperature applications and room-temperature storage. They come in a variety of formats, including peelable, solvent resistant (including DMSO) and pierceable. All Dura heat-sealing films are autoclavable.

Porvair Sciences

For info: +44-(0)-1978-661144

www.microplates.com/heat-sealing-films

SARS-CoV-2 Synthetic Nanobodies

Absolute Antibody Ltd., along with the University of Zurich, now offers synthetic nanobodies against the receptor binding domain of SARS-CoV-2, the coronavirus that causes COVID-19. Researchers are exploring the potential of nanobodies as inhalable COVID-19 drugs, which would be easier to administer and could reach patients' lungs faster than other treatments. Absolute Antibody recombinantly produces the SARS-CoV-2 synthetic nanobodies for ensured batch-to-batch reproducibility, high purity, and low endotoxin levels. In addition, we use antibody engineering to fuse the nanobodies to fragment crystallizable (Fc) domains in different species, isotypes, and subtypes for use as serological controls.

Absolute Antibody

For info: +44-(0)-1642-688810

absoluteantibody.com

Freshly Isolated Chondrocytes

CELLvo Human Articular Chondrocytes from StemBioSys are low-passage (P0 and P1) cells freshly isolated from young, healthy donors and available for regenerative medicine and basic research. When cultured with CELLvo Matrix, the cells home, attach, and proliferate more rapidly than chondrocytes cultured under standard conditions. They also exhibit similar morphology and phenotype to in vivo chondrocytes, such as a high ratio of type 2 collagen to type 1 collagen. Because the cells and the growth conditions are never exposed to nonhuman proteins, they offer a streamlined pathway to clinical studies. The CELLvo Human Chondrocyte cell culture system delivers improved performance and exceptional research potential to basic and translational studies of osteoarthritis, joint function, chondrocyte differentiation, tissue engineering, and chondrocyte implantation.

StemBioSys

For info: 210-877-9323

www.stembiosys.com

Automated Flow Chemistry Synthesis

The FlowSyn Automated Loop Filling (FlowSyn Auto-LF) system is a powerful, highly efficient module for running multiple experiments with multiple reagent inputs under different sets of chemical conditions. This product is ideal for robotic synthesis groups looking to generate combinatorial libraries utilizing the power of flow chemistry. With a choice of two or four channels, this intelligent, simultaneous loop-filling and fraction-collection system saves valuable time by loading the reagent loops for the next reaction while the current run is in progress. Fully integrated wash protocols minimize the risk of cross-contamination. The unit incorporates an automated liquid handler that can accommodate up to 96 samples.

Uniqsis

For info: +44-(0)-845-864-7747

www.uniqsis.com

Microplate Reader

The BioTek LogPhase 600 Microbiology Reader is the only four-plate microplate reader built to perform microbial growth curve analysis. Multiple plate measurements increase throughput and reduce the need for costly single-plate absorbance readers that take up valuable bench space. Additionally, highly consistent environmental conditions support high-quality absorbance results without growth curve artifacts, even in bacterial and yeast assays with extended incubation periods. The compact LogPhase 600 features a robust, stringently tested shaking mechanism to ensure that cells remain in suspension and that the hardware will not wear out, even over the course of long-term kinetic assays. Incubation is controlled by several sensors for even heating and includes Condensation Control, which prevents light scatter and artifacts due to condensation. The LogPhase 600 App controls the reader, capturing data and providing powerful analysis with an easy-to-use interface. This reader is ideal for yeast and bacterial growth assays, antimicrobial resistance studies, algal and biofuel research, and food and beverage testing.

BioTek Instruments

For info: 888-451-5171

www.biotek.com

T-Cell Immune Response to SARS-CoV-2

The T-SPOT Discovery SARS-CoV-2 kit from Oxford Immunotec has been developed to aid in the investigation of the T-cell response to SARS-CoV-2 infection. The kit uses a modified enzyme-linked immunospot (ELISPOT) assay, where samples prepared from peripheral blood are stimulated in vitro by peptide pools from SARS-CoV-2. This restimulation allows SARS-CoV-2-specific T cells to be enumerated. The kit builds on our experience with tuberculosis diagnosis and the assessment of immune response to cytomegalovirus in transplant patients to apply our proprietary T-SPOT technology to the fight against COVID-19. While serology is able to detect antibodies to SARS-CoV-2 in the blood of some individuals after infection, little is currently known about how this confers immunity to COVID-19. The T-SPOT technology goes further than simple serology by interrogating the immune system's T-cell response, and will help researchers measure the strength of that response to SARS-CoV-2. The strength of this response may be linked to protection from reinfection.

Oxford Immunotec

For info: 877-208-7768

go.oxfordimmunotec.com/t-spot_discovery_sars_cov-2

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