



Ultraviolet Monochromator

The McPherson 234/302 compact vacuum-ultraviolet spectrometer has a digital grating drive for precise wavelength selection and positioning from 30 nm to 1,100 nm. Micrometer adjustable slits vary from 0.01 mm–3 mm in width and 2 mm–20 mm in height. Software is available along with

LabVIEW drivers. This instrument's normal incidence design has optional multiple input or output ports. It can also be easily used as a spectrograph with a microchannel plate intensifier or charge-coupled device detector, or as a scanning monochromator—one instrument can do both functions while remaining under vacuum. There are many options for customization: We can provide ultrahigh vacuum nonmagnetic versions or customized adapters for the customer's vacuum pumps, detectors, or light sources. Double monochromators for exceptionally low stray light and high spectral purity are also available. Special or standard, every instrument ships with certified spectral calibration.

McPherson

For info: 800-255-1055
www.mcphersoninc.com

Rack Scanner

Compatible with all 2D-barcode tube racks in SBS format and with a footprint of only slightly more than one plate/rack position, the Ziath DataPaq Express offers a space-saving way to integrate a fast full-rack scanner onto a liquid-handling robot. Designed with a separate power and processing box that can be positioned under your liquid-handling robot and under your deck, this compact scanner frees up vital deck space. Its uniquely low form factor allows liquid-handling robots easy gripper access to simply pick up and dispense from racks on top of the scanner. Offering rapid image scanning and decoding in just 2 s, the camera-based DataPaq Express will also help improve your robotic workflow. Baseplates and drivers are available to enable easy integration with most commercial liquid-handling robots.

Ziath

For info: 858-880-6920
www.ziath.com

Personal Benchtop Evaporator for DMSO and DMF Samples

The Smart Evaporator C1 from BioChromato is an easy-to-use, affordable system optimized to concentrate or dry single samples directly from any tube or vial (up to 32-mm neck diameter) in even high-boiling solvents such as DMSO, DMF, or water. Drawing on BioChromato's patented spiral plug evaporation technology, the compact, benchtop system offers fast, effective evaporation in tubes or vials without solvent bumping, eliminating the risk of sample loss and cross-contamination and saving valuable time. The Smart Evaporator C1 can handle solvent volumes up to 40 mL, which can be extremely useful for concentrating compounds after organic synthesis or for drying analytical samples at relatively high speeds. The versatile C1 can also manage small tubes and vials (e.g., 1.5 mL) where solvent volumes can be as little as 0.1 mL or less.

BioChromato

For info: +81-(0)-466-23-8382
biochromato.com/smart-evaporator

Specialist Microplates

Porvair Sciences provides a complete design and manufacture service to help customers develop new and innovative custom microplates for specialist applications. We are widely recognized as a leader in the field of molding ultrapure plastic materials such as polystyrene, polypropylene, and polycarbonate. Decades of experience in ultrasonic welding, surface treatment techniques, co-sintering of polymers/silicas, and specialist assembly, combined with a strong understanding of analytical applications, make us an ideal OEM partner for development and production of optimized custom microplate solutions. From single-well to 1,536-well microplates, Porvair Sciences has the knowledge, expertise, and flexibility to design and manufacture to customer specifications. Our team of engineers and creative thinkers allows us to develop high-quality products for filtration, storage, and separation and to push the boundaries of microplate design for the life science and analytical markets.

Porvair Sciences

For info: 800-552-3696
www.microplates.com/custom-manufacturing

High-Pressure Reactor

With its unique safety-locking mechanism and robust, adjustable support frame/lifting platform option, the Multicell PLUS high-pressure reactor from Asynt sets a new benchmark for operator safety, all-round accessibility, and ease-of-use. Manufactured from 316 stainless steel, the unit operates at pressures up to 50 barg and temperatures up to 200°C. Asynt offers options for the system to be manufactured from alternative materials that can withstand highly corrosive/caustic chemicals, and for increased operational conditions up to 200 barg and temperatures of over 300°C. While the Multicell PLUS accommodates 8 × 30 mL cells as standard, options are offered for 4-, 6-, and 10-cell arrangements with individual cell volumes up to 100 mL. Motor-driven, magnetically coupled overhead stirring is also offered as an option for more viscous reaction mixtures. Optional independent isolation of each cell allows the user to charge each vessel with differing chemistry and pressures without cross-contamination between cells.

Asynt

For info: +44-(0)-1638-781709
www.asynt.com/product/multicell-plus

Single-Cell Westerns

Milo is the world's first automated single-cell Western (scWestern) platform. The instrument measures protein expression in thousands of cells in a single run, allowing you to profile heterogeneity in your samples through single-cell analysis. Just load your cell suspension, and the scWest chip captures ~1,000 single cells. Milo then performs a fast, 1-min SDS-PAGE (sodium dodecyl sulphate–polyacrylamide gel electrophoresis) separation on each single-cell lysate on-chip. Then just probe with your favorite conventional Western blot antibodies to measure ~12 proteins per cell using a variety of multiplexing strategies. Milo's Single-Cell Western technology unlocks the single-cell proteome to measure more of the proteome than is possible with any other single-cell protein analysis technique.

ProteinSimple

For info: 888-607-9692
www.proteinsimple.com

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