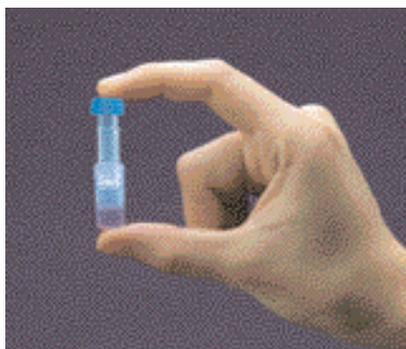


In the Spotlight

Pharmaceutical Science & Technology Innovations



Mini-UniPrep
(Whatman Inc.)

Expansions Made to Syringeless Filter Line

Whatman Inc. (Clifton, NJ) has expanded its line of "Mini-UniPrep" syringeless filters. The products are designed for the rapid removal of particulates from samples prepared for high-performance liquid chromatography (HPLC).

The filters reduce plugging in HPLC columns and allow samples to be filtered quickly. In addition, several samples can be filtered simultaneously. "If you're using a typical syringe filter, you must manually filter one sample at a time," says L.P. Raman, technical market manager for analytical chemistry at Whatman Inc. "We offer a press that allows clients to filter as many as six samples simultaneously."

The two additions to the line include the transparent "Amber Mini-UniPrep" for protecting products from light damage and the "Slit Septa Mini-UniPrep" for use with robotics on HPLC instruments for high-throughput automation. The filters are compatible with most autosamplers and are available with 0.2–0.45- μm pore sizes.

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ultrTOF-Q
(Bruker Daltonics)

Mass Spectrometer Offers Improved Sensitivity and Accuracy

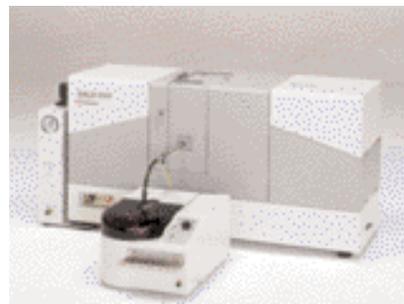
The "ultrTOF-Q" orthogonal time-of-flight mass spectrometer from Bruker Daltonics (Billerica, MA) offers an advanced ion source, a high-performance quadrupole mass filter and collision cell, and ultra-high resolution.

According to Thomas Dresch, API-TOF product manager at Bruker Daltonics, the resolving power of the orthogonal mass analyzer is a key feature of the instrument. "The unique multipass mode allows for even higher resolution of more than 40,000 by running the ions through the flight tube several times. The higher resolution translates into accurate mass measurements and increased confidence in results," he says.

In addition, the instrument's analog-to-digital technology enables researchers to examine samples over a wider dynamic range without compromising the instrument's calibration.

"Together with the high mass accuracy, this feature enables the search for possible chemical formulas," comments Dresch. The ultrTOF-Q spectrometer also offers several hours of continuous calibration stability.

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SALD-3101
(Shimadzu Scientific Instruments)

Particle Size Analyzer Measures Dense Particles

Shimadzu Scientific Instruments' (Columbia, MD) "SALD-3101" particle size analyzer is designed to measure coarse or dense particles.

The analyzer can measure particles sized 0.05–3000 μm using a single optical system and a single light source. The instrument incorporates a vertical radial pump with a flow rate of 5000 cm^3/min to circulate particles ranging from microns to millimeters in size.

An optional "SALD-DS21" injection-type measurement unit enables users to switch between wet and dry samples. Clients can choose from three types of injection nozzles with different dispersion powers and sample-sucking methods. Sucking devices are suitable for measurements that require large or small quantities of samples.

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New Product Announcements

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