

New Products

Automatic Liquid Filling System



Product: Automatic liquid filling system for small and medium size batches with any liquid media.

Name & Manufacturer: TraySy "X" from Zinsser Analytic.

Technology: The TraySy "X" has a pipetting area of 585 x 383mm but maintains its compact size (770 x 610 x 330 + tubing height mm). It takes less than 2 seconds to fill a 4 ml vial. Any number of rack formats for different sizes of bottles and ampoules can be stored permanently in TraySy "X"'s memory and different bottle arrangements, regular or honeycomb, can also be accommodated in the dispensing program. Multiple racks of the same layout can be processed in a single run.

Advantages: The system is user friendly – vials, ampoules, tubes in racks or packing trays are simply placed on the workbench and then automatically filled via computer control. TraySy "X" can be used for both sterile and non-sterile serial dispensing in drug dispensaries, bacteriology labs, pharmaceutical and diagnostic batch production.

More Information: info@zinsser-analytic.com

New HPLC Columns



Product: Five new phases to Thermo Scientific Hypersil GOLD HPLC columns.

Manufacturer: Thermo Fisher Scientific.

Technology: Hypersil GOLD C4 is a low hydrophobicity column with short alkyl chain length. This has the effect of shortening retention, making the column ideal for reversed phase separations of analytes such as proteins and peptides. Hypersil GOLD Amino columns are suited to the analysis of sugars and carbohydrates, demonstrating excellent properties in three modes: weak anion exchange, reversed and normal phases. Hypersil GOLD AX is suited for the

separation of proteins, peptides, other anionic species and polar molecules, and can be used as an anion exchange column and for HILIC separations.

As a highly stable quaternary amine strong anion exchange column, designed for aqueous mobile phase, the Hypersil GOLD SAX is suited for use with smaller organic molecules, including nucleotides and organic acids.

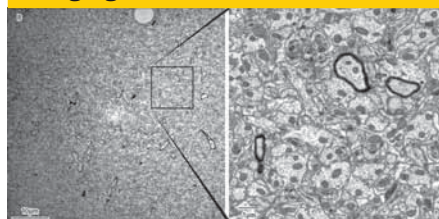
Hypersil GOLD Silica is a powerful tool for the analysis of non-polar and moderately polar organic compounds using normal phase LC.

Advantages: The new columns include options for the analysis of polar compounds by ion exchange, HILIC and normal phase chromatography. All phases use the same backbone of pure silica to deliver outstandingly symmetrical peak shapes, regardless of the compound or mode of analysis.

More information:

www.thermoscientific.com/columns

Imaging for dsRNA



Product: Hard- and software package for scanning electron microscopy.

Name & Manufacturer: ATLAS from Carl Zeiss.

Technology: The heart of the ATLAS system is an adaptive 16-bit scan generator and dual supersampling signal acquisition system, tightly integrated into the SmartSEM software for microscope control. ATLAS enables acquisition of individual images up to one gigapixel in size (32k x 32k), at up to sixteen bit pixel depth, and calls upon the rich suite of SmartSEM microscope automation features to allow automated acquisition of one or more image montages that may exceed one terapixel in size.

Advantages: The ATLAS hard- and software package in combination with any scanning electron microscope from Carl Zeiss enables quick and efficient imaging of large-area specimens with nanometer resolution.

With suitable specimens, unattended operation can acquire multi-image montages that span extremely large fields of view, permitting capture of regions on the millimeter scale with resolution on the nanometer scale in a handful of hours. The in-built viewer software with

integrated zoom function facilitates continuous enlargement of the final image from rough overview until nanometer resolution.

More Information: <http://www.smt.zeiss.com>

Microplate solvent remover



Product: Tool to optimise microplate sample preparation productivity.

Name & Manufacturer: Ultravap Blowdown Station from Porvair Sciences.

Technology: The Ultravap achieves high sample throughput through advanced evaporator head technology and a manifold design, which directly injects heated nitrogen into each individual well of the microplate simultaneously. The system removes most popular chromatography solvents in just minutes. For thermally labile samples the Ultravap may be operated in a unique two-stage mode combining rapid initial dry-down with carefully controlled final solvent evaporation. The system has been designed to be simple to install, operate and maintain. Installation just requires connection to a gas supply and standard mains socket and you are ready to go. Safety of operation is ensured as the CE marked compact unit fits into all fume cupboards.

Advantages: Designed to quickly and safely remove solvents from 96 or 384-well plates, the Ultravap is a versatile tool proven to optimise microplate sample preparation productivity. To enable use by all laboratory staff the Ultravap includes a stored methods facility. Different drying programmes can be retained in the memory eliminating the need to set-up the system when changing from one method to another.

More Information:

int.sales@porvair-sciences.com