

New Products

Spectrophotometer



Product: UV-Visible Spectrophotometers with USB Storage and Printing Capabilities.

Name & Manufacturer: Helios Zeta and Helios Omega from Thermo Fisher Scientific.

Technology: Unique and advanced PC control is available from the VISIONsecurity, VISIONlife and VISIONpro software interfaces. Customized manipulation of data is available using built-in Math functions and the UVcalc spreadsheet feature. Report templates can be created for customized laboratory reporting and documentation of results.

Advantages: Addressing the demand for increased sample throughput, the instruments allow ease of use with built-in software, keypad and unique SmartStart features, backed up by an integral flash drive. Connectivity to USB compatible printers provides flexibility. A wide array of new accessories are available including a solid sampling holder incorporating industry standard 2x3" sample slides.

More Information: www.thermo.com/uv-vis

Nucleic acid extraction



Product: Kits for Eppendorf AG's epMotion.

Name & Manufacturer: Extract-N-Amp kits from Sigma-Aldrich and epMotion.

Technology: Extract-N-Amp PCR kits offer an integrated extraction and amplification process for rapid blood, tissue or plant assays. DNA is released from virtually any sample in a 5-minute extraction process, thereby eliminating the need for any columns or tedious sample purification steps. This 'lyse and go' process is suited for genotyping, transgene detection, knockout analysis and sequencing applications. Kits include

all reagents, proprietary buffers, plus enzymes needed to rapidly extract and amplify targets.

Advantages: Users often do not want to be tied to one purification chemistry vendor. With this concept in automated protocols they are free to select their preferred brand. Sigma-Aldrich joins Invitrogen, Promega, MACHEREY-NAGEL, Invitex and 5 PRIME - all of which have developed epMotion Plug'n'Prep methods. Extract-N-Amp PCR will be available as a epMotion Plug'n'Prep method for automated nucleic acid extraction from animal tissue, hair, buccal swabs, whole blood, plant leaves and seeds.

More Information: www.eppendorf.com

Pipettes



Product: 8/-12 multichannel pipettes.

Name & Manufacturer: Transferpette S -8 and Transferpette S -12 pipettes from Brand.

Technology and advantages:

- Central pipetting button & separate tip ejector
- Ergonomic finger rest for a relaxed grip accommodates right- and left-handed users
- True one-handed operation - setting and locking the volume, pipetting and ejecting
- Complete autoclavability at 121°C (20 min)
- Always visible four-digit volume display for precision, volume change protection
- Corrosion resistant pistons
- Calibration adjustments without tools, and a clear indication when the pipettes have been adjusted from factory settings
- Replaceable nose cones and seals to simplify service for long instrument life
- Compatible with most common tips
- Color-coded for easy tip selection

More Information: info@brand.de

Automated liquid handling

Product: 384-channel head for Freedom EVO platforms.

Name & Manufacturer: MultiChannel Arm 384 from Tecan.



Technology: The 384-channel head can be mounted onto the Freedom EVO 100, 150 or 200 platforms. The head features a volume range of 0.5 µl to 125 µl, and works with both disposable tips and washable stainless steel tips, which can be automatically interchanged during a run. Alternatively, the head can rapidly mount 96 tips, or just a row of 24 or a column of 16 tips, for pipetting controls or conducting in-plate serial dilutions. An optional gripper can be mounted on the pipetting head to move plates or tip racks, for added functionality.

Advantages: Increase of efficiency and speed of pipetting processes for better throughput. In addition the channel head delivers a greater level of flexibility.

More Information: info.de@tecan.com

Robotic Workbench



Product: robotic workbench linking sample preparation to analytical measurement.

Name & Manufacturer: CALLI QC from Zinsser Analytic.

Technology: Samples are placed on the instrument, when they arrive from production and can be introduced continuously. On the platform the samples are prepared for the analytical measurement according to your requirements: weighed, diluted, heated, vortexed, filtered, etc. before they are transferred to GC, HPLC; TLC, LC/MS, etc..

Advantages: A range of modules is available for handling of liquids, powders and viscous media, pH-adjustment. Barcode control ensures the tracking of the individual samples throughout the entire process.

More information: info@zinsser-analytic.com