



Large Capacity Centrifuge

The HiCen XL large-scale high-speed centrifuge comes from the Herolab Red Line series, which is packed with a range of features. The unit has a capacity of 6 mL × 1,000 mL and offers 24 different rotors: 18 angle rotors, 4 swing-out rotors, and 2 vertical rotors. This microprocessor-controlled unit can be set to speeds between 500 rpm and 21,000 rpm with a g-force of 50.743 × g.

What sets the HiCen XL apart from most centrifuges on the market is its low running noise when operated at full speed. All Herolab centrifuges feature maintenance-free brushless induction drives equipped with an overspeed detection device and an imbalance detector that shuts the unit down in the unlikely event of a problem. The upgraded control panel is easy to use and gives the operator all the information necessary to ensure proper running conditions.

Herolab

For info: +49-(0)-6222-5802-0
www.herolab.de/index.php/en

Field-Flow Fractionation System

The CF2000 Centrifugal Field-Flow Fractionation system sets a new standard for high-resolution separation and fractionation of nanoparticles. The Postnova CF2000 employs a centrifugal field as its driving force. Particles affected by this field are separated by dynamic diffusion on the basis of both particle size and density, allowing separation of different particulate materials having the same particle size. Separations on the CF2000 can be further optimized by using different eluents and temperature programs. The system is an ideal tool in areas including agriculture, cosmetics, ecology, food, and nanomaterials. Samples can be injected directly without filtration, allowing the characterization of even complex particulate materials without alteration and damage. Various add-on modules and detectors are available, including refractive index, multi-angle light scattering, and dynamic light scattering.

Postnova

For info: +44-(0)-1885-475007
www.postnova.com

Confocal Laser Scanning Microscope

The fast module for ZEISS LSM 880 with Airyscan enables parallel excitation and detection of four image pixels. This upgrade enables confocal superresolution imaging with four times the speed and 1.5X resolution improvement. The gain in imaging speed allows researchers to enter the domain of classic resonant-scanning systems, but with a much better signal-to-noise ratio. ZEISS LSM 880 with Airyscan can be used for single and multiphoton experiments. Released in 2014, the Airyscan detector quickly established itself as a new standard in confocal live-cell imaging. Since then, scientists have already used Airyscan's increased resolution in all spatial dimensions, as well as its high sensitivity, to publish exciting new data in leading scientific journals. It has collected multiple awards, including the R&D 100 Special Recognition Award, the Scientist's Choice Award for best new life science product, and the Innovation Award of the State of Thuringia.

ZEISS

For info: 800-233-2343
www.zeiss.com

Taq DNA Polymerase

The 2X At Taq Master Mix is an optimized, ready-to-use, 2X concentrated DNA amplification mixture containing At Taq DNA Polymerase, reaction buffer, deoxynucleotide triphosphates (dNTPs), and MgCl₂. At Taq DNA Polymerase is a complex of specific anti-Taq (At) monoclonal antibodies with top-quality thermostable Taq DNA Polymerase for automatic "Hot Start" amplification, resulting in greatly improved amplification specificity, sensitivity, and yield. 2X At Taq Master Mix is suitable for all routine DNA amplification applications, and provides reduced artifacts such as primer-dimer formation and mispriming in multiplex amplification. Its main features include time efficiency, decreased contamination due to the reduced number of pipetting steps, and stability for up to 6 months at 4°C, which allows immediate reaction without time-consuming thawing of reagents. Samples are available upon request, but there are only a limited number, so act fast to contact your local Vivantis distributor.

Vivantis

For info: +44-(0)-1223-515440
www.vivanttechnologies.com

Ultra-Low Temperature Freezers

A new range of ultra-low temperature freezers, has been designed to offer laboratories a green solution: less power consumption, less noise, and high efficiency without compromising the integrity of samples. Thermo Scientific TSX ultra-low temperature freezers are available in two sizes. TSX freezers use up to 50% less energy than conventional-refrigerant ultra-low freezers, and deliver temperature uniformity that continuously adapts to a laboratory's environment. Conventional ultra-low temperature freezers use single-speed compressors that continually cycle on and off, resulting in poor temperature recovery following door openings. TSX freezers are equipped with our unique V-drive technology. When doors are opened frequently or when samples are added to the freezer, the control system detects the activity and increases the drive speed to bring temperatures quickly back to the set point. The freezers also use water-blown foam insulation, which eliminates the off-gassing typical of urethane-insulated freezers.

Thermo Fisher Scientific

For info: 800-955-6288
www.thermofisher.com

Microscope Stage for Microplates

The H139 is a motorized microscope stage designed to enable life scientists to accurately position, move, and image up to two microplates or nine microscope slides. Offering precise movement (0.7-µm repeatability) in the X and Y axis (280 mm x 80 mm), it is the perfect tool for labs tasked with meticulous microscopic examination of large numbers of microplates or microscope slides, and gives users a uniquely powerful combination of precision, speed, and convenience. Designed for use with the leading inverted microscope models, it allows users to conduct two live-cell imaging experiments in microplates simultaneously, allowing more efficient use of imaging-center resources. Using Prior's ProScan III control system, the H139 can be automatically adjusted to an exact position, quickly shift across and between samples, and automate imaging routines; the ProScan III also helps reduce strain from repeated manual operations.

Prior Scientific

For info: +44-(0)-1223-881711
www.prior-scientific.co.uk

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