Press Release

October 11, 2007

Brilliant, Easy Imaging at the Speed of Light!

The perfect imaging solution for all scientific research: the new generation Leica Digital Microscopes for biological and materials sciences

WETZLAR, GERMANY. Leica Microsystems introduces an enhanced imaging solution for biological and materials sciences. Quickly and easily capture excellent images and achieve reliable, reproducible research results with the new generation Leica Digital Microscopes. The Leica DM4000 B through DM6000 B series for biological sciences, and the Leica DM4000 M and Leica DM6000 M Digital Microscopes for material sciences and industrial quality analysis, streamlines important work processes. The image brilliance and operational speed of the integrated imaging system are unparalleled in this class of microscope. Leica's Intelligent Automation, made possible via the most sophisticated control electronics, ensures reproducible, reliable results. New components, such as the external Leica STP6000 SmartTouch Panel, give the researcher a new level of convenient microscope control.

Convenient microscope control

The Leica DM4000 is the only microscope of its class with a status display that shows all settings at a glance and allows individual function modes for specific applications. With the Leica DM5000 through DM6000, the user can set the automated functions using the new Leica SmartTouch color touchscreen, which is built into the stand. As a result, different user profiles can be saved and recalled at the push of a button. With the new, optional Leica STP6000 SmartTouch Panel, the Leica Digital Microscopes can also be operated via remote control. These convenient controls feature the same user interface for direct, intuitive operation as the Leica Application Suite Software (LAS). All motorized modules of the microscopes can also be controlled on the PC via the LAS software.

The high-resolution image can be requested from:
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Save precious time

Working with microscopes has never been so easy. Complex processes can be automated according to individual specifications. In this way the user not only saves a great deal of time during familiarization, but also during his or her daily work. The microscopes can be operated intuitively, and all parameters can be automatically set and reproduced at any time. Leica's unique method of changing contrast with the push of a button and the fully automated Differential Interference Contrast (DIC) make switching contrast techniques a fast and reliable process.

The perfect integrated system

Each research task has its own unique requirements. The microscope, camera, and LAS software modules for image processing and documentation integrate seamlessly and can be configured to best meet the scientist's research needs, now and in the future. Due to the harmonized integration of the microscope, digital camera and software, Leica Microsystems offers an all-inclusive solution.

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Leica Microsystems is a leading global designer and producer of innovative, high-tech, precision optical systems for the analysis of microstructures. It is one of the market leaders in each of its business areas: Microscopy, Confocal Laser Scanning Microscopy with corresponding Imaging Systems, Specimen Preparation, and Medical Equipment. The company manufactures a broad range of products for numerous applications requiring microscopic imaging, measurement, and analysis. It also offers system solutions for life science including biotechnology and medicine, research and development of raw materials, and industrial quality assurance. The company is represented in over 100 countries with 10 manufacturing facilities in 8 countries, sales and service organizations in 19 countries and an international network of dealers. The international management is headquartered in Wetzlar, Germany.