



No.1 in 3D Fluorescence

**Leica MZ16 F – Fully Apochromatic Fluorescence Stereomicroscope
with 16:1 zoom and patented TripleBeam® fluorescence technology**

Leica
MICROSYSTEMS

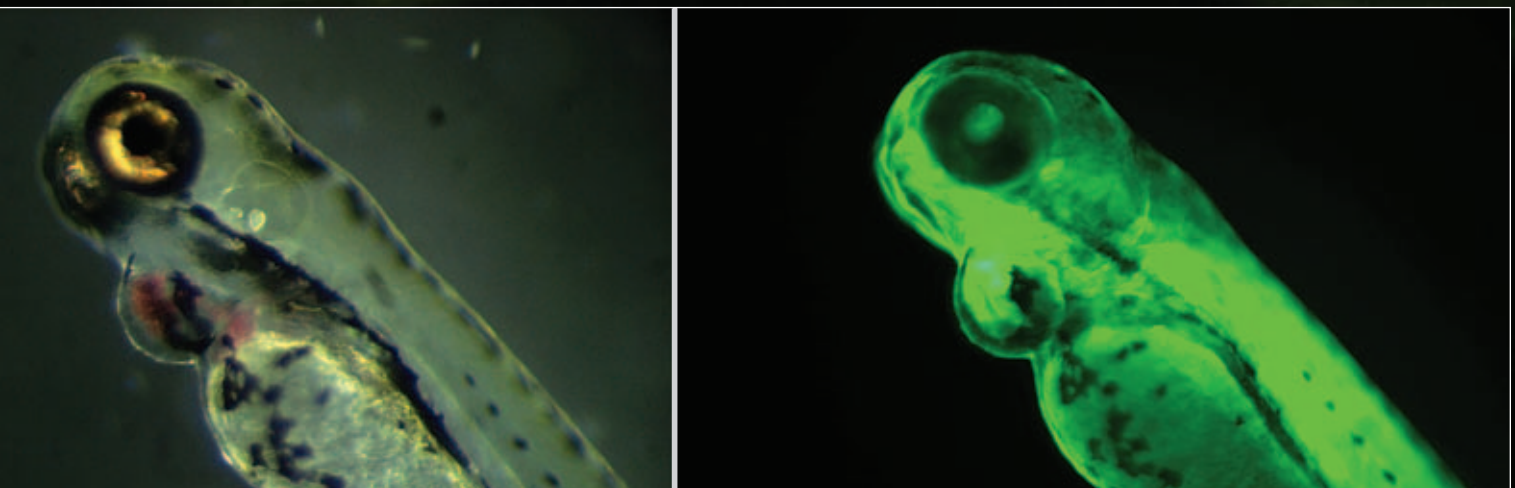
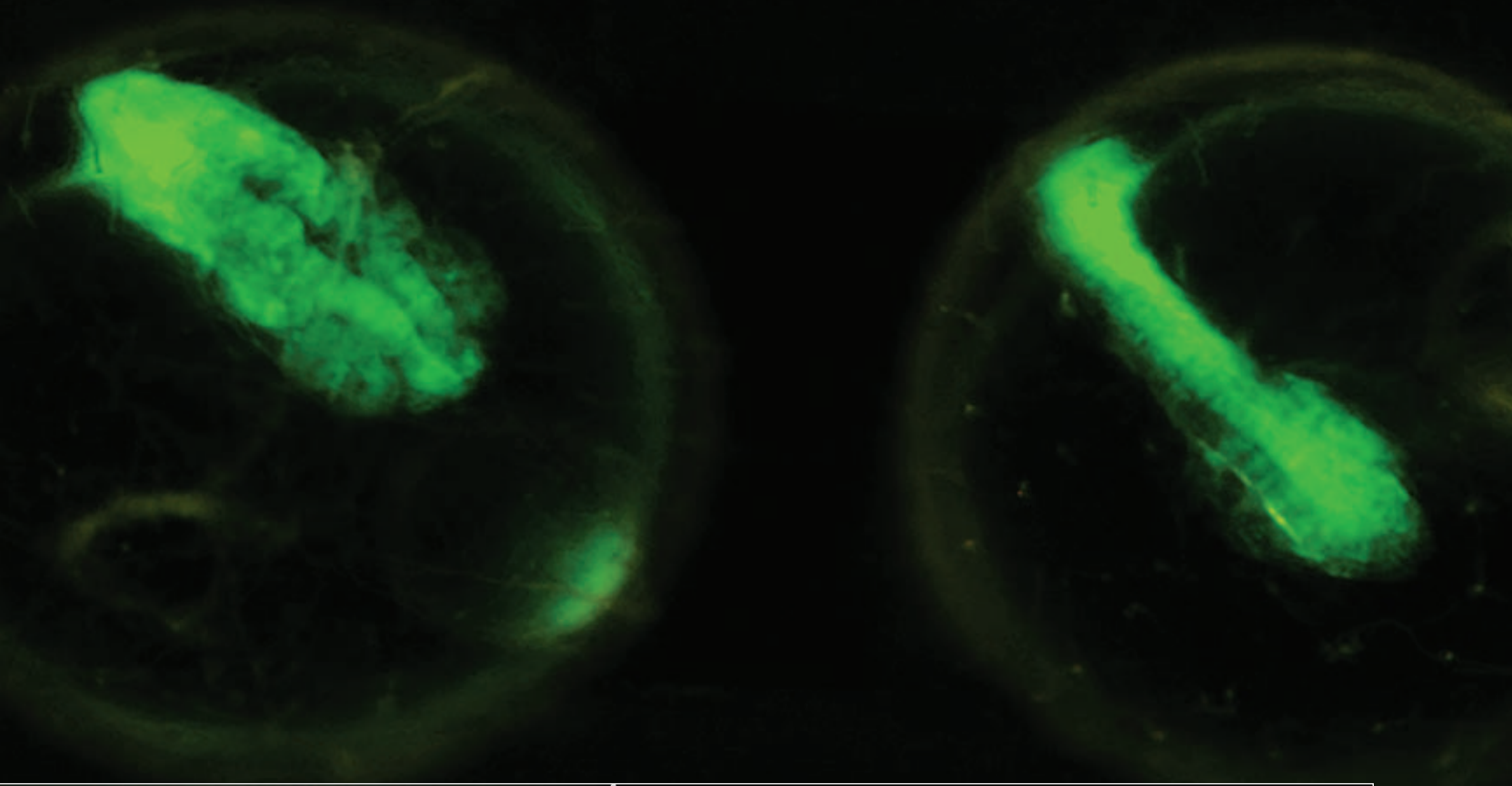
How do genes work?

Light signals from inside the cell provide heretofore unknown answers

In today's basic research as well as in the biotechnology industry, model organisms are used that are similar to humans in many respects, but less complex. Mice, frogs, zebra fish, and fruit flies serve as representatives to investigate the developmental biology of humans and their illnesses in the form of a model. At the center of the interest are indicator areas such as heart/circulation, blood vessels, nerves, as well as bone and cartilage formation.

In research labs, millions of gene-treated model organisms are examined in different stages of their life cycle for mutated phenotypes. For this purpose, the fluorescence microscopy has established itself as the most effective method for examining, identifying, sorting, screening and selection. For all of these tasks, the new Leica MZ16 F from Leica Microsystems is the best fluorescence stereomicroscope. Besides the largest zoom range and the highest resolution, the Leica MZ16 F is also the only fluorescence stereomicroscope on the market with fully apochromatically corrected optics system and patented TripleBeam® fluorescence technology. With the Leica FluoCombi III™ accessories, the Leica MZ16 F is the ideal research instrument for all fluorescence-related tasks – from sorting and preparing to evaluating and screening of mutants. Customer benefit, user-friendliness and price-performance ratio are unbeatable.

"All living creatures start as a single cell, and this cell splits itself. But how does a cell know that it must split itself? How do the cells know, for example, that they must specialize into heart cells during their development?" Dr. Ralf Dahm, Project Manager ZF-MODELS Integrated Project, Nüsslein-Volhard Lab, Max-Planck-Institute for Developmental Biology, Tübingen.



5 day old transgenic zebra fish larva. It expresses GFP (green fluorescent protein) controlled by a beta actin promoter that is active in all cells (right illustration). The same larva in transmitted light (left illustration). The black eyes, the ears with both otoliths and the labyrinth are perfectly visible. The heart (beating at the neck) is also perfectly visible and filled with red blood cells. Prof. Dr. Stephan C. F. Neuhaus, SNF Endowed Professor of Neuro Sciences at ETH Zurich and Institute for Brain Research at the University of Zurich.

Top notch fluorescence microscopy

New from Leica Microsystems: Leica MZ16 F

Worldwide, the manual Leica MZ16 F and the motorized version Leica MZ16 FA are the most powerful fluorescence stereomicroscopes. Due to its unique features with respect to optical performance and fluorescence quality, the new Leica MZ16 F is the ideal research and lab instrument for demanding fluorescence microscopy examinations in biology, medicine, chemistry, electronics, geology, archaeology, aeronautics, cosmetics, pharmaceutical industry, agronomy, criminology, and much more. These are the most important arguments in favor of the Leica MZ16 F:

Largest zoom range

With a 16:1 zoom, the Leica MZ16 F features the largest zoom range (7.1× to 115×) of all fluorescence stereomicroscopes and covers any examination that becomes necessary – from sorting to evaluating – using only its standard optics.

Highest resolution

Equipped with a planapochromatic objective 2×, the Leica MZ16 F offers the best optical performance of all fluorescence stereomicroscopes: 920× magnification, 840 pairs of lines/mm resolution, 600 nm visible structural width and 0.282 NA numeric aperture. In many cases, it is even possible to do away with transferring sensitive specimens to an optical microscope in advanced analyses.

Apochromatic optics system

The Leica MZ16 F is the only fluorescence stereomicroscope that offers apochromatic correction and high-quality multi-coating of the complete lead-free optics system including zoom and binocular tube. Resolution, richness in detail, brilliance and color fidelity are unsurpassed and even critical areas of the specimen with similar refraction index can be distinguished unequivocally.

Patented TripleBeam® fluorescence technology

Leica MZ16 F is the only fluorescence stereomicroscope with TripleBeam® fluorescence technology: The excitation light is passed through a separate third beam path. The light utilization is extremely high and even low fluorescent structures appear with intensive illumination against a deep black background.





"Now it is getting exciting: We will now look at the two-day-old zebra fish larvae under the microscope and attempt to find out whether these larvae have undergone any kind of change, for example, changes in the vascular system or in the cartilage. This is actually the type of work that occupies us on a daily basis: Every week, we look at approximately 10,000 of these mutagenic fish larvae." Dr. Torsten Trowe, Artemis Pharmaceuticals-Exelixis, Tübingen

Convenient slip-in rapid filter changer FLUOIII™

The slip-in rapid filter changer FLUOIII™ can quickly and easily be fitted from the front with four selectable fluorescence filter sets (excitation and suppression filters in one holder).

FluoCombi III™ with high resolution micro-objective

The FluoCombi III™ accessories allow for a quick changeover between a stereo objective and a planapochromatic 5× HR (High Resolution) micro-objective. The same instrument can be used to sort the specimens in the 3D overview and immediately characterize them using microscopic magnification (460× with 10× eyepieces and 736× with 16× eyepieces) and resolution (up to 1500 pairs of lines/mm).

Comprehensive protection from UV radiation

While working with the Leica MZ16 F, the user has comprehensive protection from UV radiation with UV protection screen in front of the object plane, UV suppression filter, UV shutter, shutter protection, and much more.

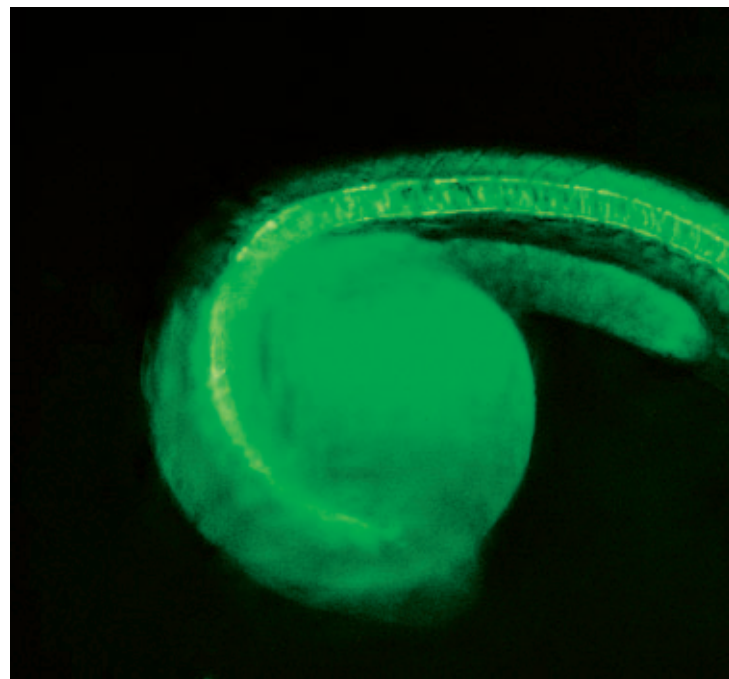
Extensive program of accessories

Accessories for ergonomics, incl. motor focus, transmitted-light base with innovative Rottermann-Contrast™ technology and high-resolution FireWire cameras for fluorescence allow for a diverse adaptation of the Leica MZ16 F to the individual needs of users and their tasks.

"I am a molecular biologist and cancer researcher. We want to detect those genes that cause the major illnesses. In particular, we are interested in the genetic causes of the different forms of cancer, cases of cardiac arrest, diabetes mellitus and others. Accordingly, we hope to find completely new approaches for a new pharmaceutical development." André Rosenthal, cancer researcher, and his institute for molecular biotechnology in Jena are participating in the international Human Genome Project (HGP) with their research on chromosomes 7, 8, 11, 21 and X.



A zebrafish embryo (20 hours old) carrying a green fluorescent protein (GFP) gene under control of sonic hedgehog gene regulatory sequences. GFP expression is detectable in the anterior floor plate and in the notochord. Anterior to the left and dorsal up. Anterior to the left and dorsal up. Uwe Straehle, Forschungszentrum Karlsruhe, the Imaging Centre of IGBMC and Cédric Vonesch EPFL Lausanne



You can be a live spectator when cells are working

In cell and molecular biology research, fluorescence microscopy is the method to make intercellular structures and their dynamics visible in vivo. If the cell features no autofluorescent cell components, various techniques, such as immunofluorescence or fluorochroming, are applied to render specifically selected components illuminating. An ideal fluorophor is the naturally fluorescent GFP gene which can be coupled to almost any chromosome as reporter gene or as marker. GFP fusions are procedures that are gentle on cells to trace gene activities in vivo. Upon excitation with light of a certain wavelength, the skeleton, core or any other desired cell component illuminates depending upon the marked protein. A safe evaluation of the markings that are often extremely fine and feature poor light requires the highest resolution and an extremely high intensity of the fluorescence signals.

100% apochromatic

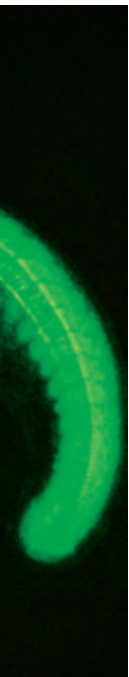
Worldwide, optical systems from Leica Microsystems are synonymous with first-class image performance, brilliant image quality and high viewing comfort. In the Leica MZ16 F, the complete imaging system, including 16:1 zoom, objective and ErgoTube®, is apochromatically corrected using a high technological effort. Only a fully apochromatic optics system images fine structures clear in detail and without interfering colored edges. Contrast, richness in detail, resolution, image and color fidelity are optimum and expand the three-dimensional view of the inside of a cell. The planapochromatic top objectives support the high optical performance and light utilization.

Greatest zoom, highest resolution

The Leica MZ16 F is worldwide the fluorescence stereomicroscope with the largest zoom range: In many cases, after sorting and processing the specimens, you no longer have to change to a light microscope to be able to precisely characterize details and reactions. This makes the work procedure significantly easier, and you save a lot of time: evaluate and manipulate the living specimens in their completeness first - three-dimensionally, with great depth of field, in large fields of view. Next, change to 115× magnification (with planapo 1× objective and 10× eyepieces) and analyze the finest fluorescence signals at a resolution of 420 pairs of lines/mm. The planapo objective 2× provides a 230× magnification, a resolution of 840 pairs of lines/mm, a visible structure width of 0.6 micron and a numeric aperture of 0.28.

Image information in new dimensions

As the worldwide leading manufacturer of innovative precision instruments, Leica Microsystems has a clear goal in its sight: Making image information accessible with an imaging quality that goes beyond the ordinary. This philosophy continues in all optical components from objective to eyepiece. Since the typical model organisms are generally low in contrast, the structural portions are made visible only by using optics with special qualities. For this reason, the Leica MZ16 F is principally equipped with planapochromatic objectives 1×, 2×, 1.6× or 0.63× and multiple-coated wide-field eyepieces 10×/21, 16×/14, 25×/9.5, 40×/6 for users wearing glasses. Soft clip-on eyecups protect the glasses against scratching and prevent eye infections if several users work with the same instrument.



Unique like your fingerprint

Patented TripleBeam® fluorescence technology

The third beam path in the Leica MZ16 F is exclusively reserved for fluorescence illumination and guarantees maximum light utilization in each zoom setting and completely illuminated, uniform, reflex-free fields of view. This unique innovation from Leica Microsystems pays off with its intensely illuminated, detail-rich fluorescence images on jet-black backgrounds.

Patented FLUOIII® filter changer

The FLUOIII® filter changer accepts 4 filter sets (excitation and suppression filters in one filter holder) and can be loaded from the outside – quickly and conveniently. An extensive filter range is available for various fluorescence procedures. Using a quick and convenient turn, suppression filters are automatically correctly positioned in the observation beam paths and excitation filters in the illumination beam path.

If you want to interrupt work, you can close the illumination beam path using a diaphragm. This protects sensitive specimens from being burned or bleached, without having to switch off the mercury burner lamp. Frequently switching the mercury lamp on and off decreases its life and causes delays, as the lamp can only be lit after it has cooled off.

UV protection for extensive safety

Intensive UV radiation can damage the retina of the observer. Leica Microsystems established extensive safety measures: Permanently built-in UV suppression filters in the observation beam paths, a swing-in UV shutter, a UV protection screen over the object plane, a stray-light protection in the lamp housing, and dummy filter holders in empty filter changer positions.

“Research is unforeseeable. A revolution in science is a new view of looking at things.” Francois Jacob, 1965 Nobel Laureate in medicine/physiology, Professor for Cellular Genetics at the Collège de France

Dactyloscopy: Dermal ridges (crista cutis) of every human being are unique, nonchangeable and cannot be inherited.

Dactyloscopy is the science of identification by means of fingerprints. It is one of the safest and most tested methods for identifying individuals and anyone who has left tracks. There are a series of physical and chemical methods available to make latent dactyloscopic tracks visible, e.g. vapor-coating with a superfast adhesive. These adhesives contain cyanoacrylic-acid ester whose polymerization is triggered by air humidity, which preferentially occurs in the traces of the fingerprint. Through treatment with fluorescent dyes and subsequent radiation with UV light, the prints become clearly visible.



Leica MZ16 F & FluoCombi III™

from stereo to micro

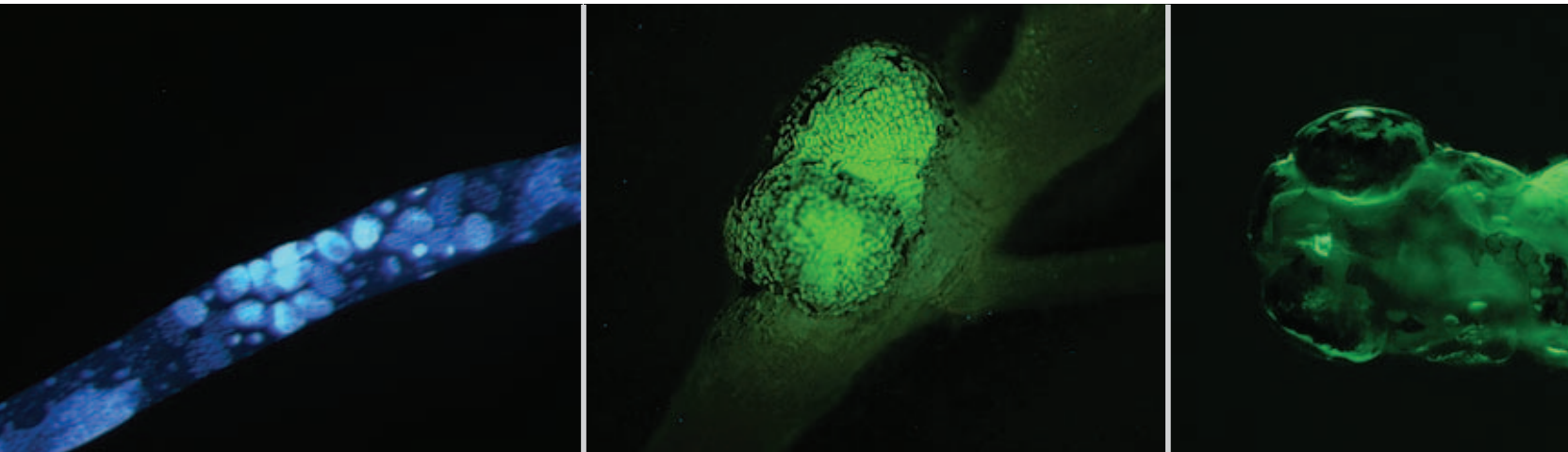
With the FluoCombi III™ accessories, the Leica MZ16 F fluorescence stereomicroscope can be expanded to the ideal research instrument for all fluorescence-based tasks in gene technology and molecular biology. Leica FluoCombi III™ combines 3D observation for sorting and preparing with high-resolution observation for evaluating and screening mutants. In many cases, sensitive specimens do no longer have to be transferred to an optical microscope after sorting, thereby saving a lot of time.

Selecting, sorting and evaluating in a very short time

The Leica FluoCombi III™ accessories allow for a quick changeover between a planapochromatic 1× stereo objective and a planapochromatic 1× stereo objective and likewise a planapochromatic 5× HR (High Resolution) micro-objective. First, the expressed models are viewed and sorted in 3D under the stereo objective. Immediately afterwards, the quality of the gene expressions can be assessed in detail using microscopic magnification and resolution with the HR objective. The FluoCombi III™ is, of course, parfocal and parcentric, i.e., the point of interest always remains focused and centered at every magnification, even after swinging the objectives around.

Accurate up to 0.3 μm

In stereo mode, the planapo objective used offers large fields of view, long working distances and an excellent depth of field for manipulating and dissecting. In micro mode, the finest fluorescent features can be focused with precision using the fine focusing and perfectly identified at a resolution of 1500 pairs of lines/mm. The 16:1 zoom is also effective in micro mode so that the magnification with the 5× HR objective is 460× and with 16× wide-field eyepieces for users wearing glasses even 736×.



Root nodule on *V. Sativa* plant, infected with GFP bacteria. Visualization of Complex Plant-Microbe Interactions using Auto Fluorescent Protein and the Construction of a GFP-GUS Fusion for Analysis of Plant Promoter Expression. Professor Herman P. Spaink, Molecular Cell Biology, Institute of Biology, Leiden University, Clusius Laboratory



LEICA MZ16 F

FLUO COMBI III™

Leica

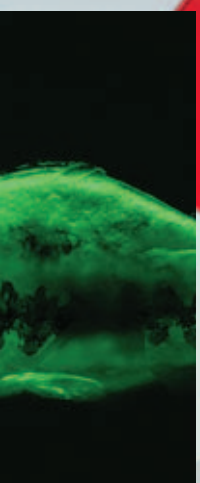
0.8x

PLANAPO 5x/0.50 LWD

PLANAPO 1.0x

PLANAPO 1.0x

LEICA 10447157



Investment with a future

From stand to camera, the equipment of the Leica MZ16 F can be completely customized to match any required research, training and documentation task and ergonomically set up for any working situation. Particularly in this regard, the Leica MZ16 F is an investment that will pay off in the long run. Thanks to the modular design, the entire range of accessories of the Leica stereomicroscope series is available to you, such as ergonomic accessories, binocular and video/photo tubes, objectives, eyepieces, stands, illuminators, as well as video and digital cameras.

Taking humans as the standard

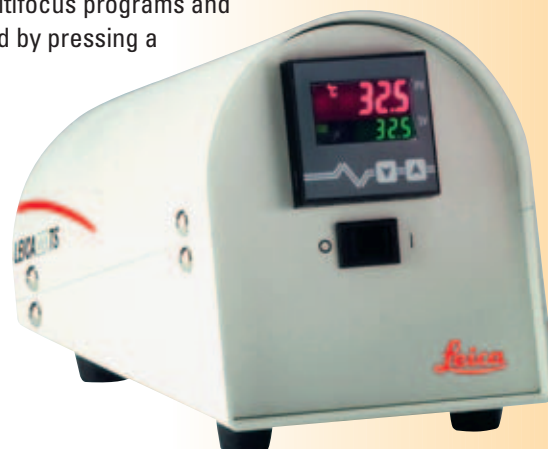
Users of the Leica MZ16 F benefit from the extraordinary range of observation tubes and ErgoModules®. Perfected for an ergonomic posture: The apochromatic ErgoTube® with continuously adjustable viewing angle from 10° to 50° and synchronous interpupillary distance adjustment from 55mm to 75 can be optimized with highest precision for any user. Persons of any size and stature can work with relaxed posture and head position – resulting in higher performance and productivity.

Interface for digital knowledge exchange

The new HD F and HD V video/photo tubes with sophisticated optics and design allow for a simple and quick trinocular setup of the camera (plug & play). The HD F features a fixed separation ratio of 50% in the binocular tube and 50% in the photo beam path. The observation and photo beam path of the HD V can be switched to three positions. This provides the perfect amount of illumination for any application. To go into more detail: Optionally 100% light for three-dimensional observation or 50% at all outputs or 100% light at the photo output and 100% light on the right visual beam path. A range of high-quality video objectives with different factorial magnifications and C-mount allow for selecting different image details.

Focusing without effort

Frequently repeated, subtle motor tasks like focussing place high demands on the musculoskeletal system. With the Leica motor focus system, any equipment can be moved up and down, weightless and precise – using manual control, foot switch or computer. You can store specific focusing planes for your experiments with multifocus programs and quickly and precisely selected by pressing a button.





High-performance optics, camera and software – a perfect system

The frequently low light intensities for fluorescence imaging impose the highest demands on the digital camera and its control programs. Using the digital high-performance FireWire camera systems for scientific microphotography allows for creating perfect image data – even of weak fluorescent and living objects. Numerous easy-to-use image capturing and processing functions, as well as integration into common Windows-compatible programs (MS Office, Photoshop, etc.) allow for diverse applications using the convenient TWAIN interface.



Constant warmth for living cells

Warmth is an important requirement for successful in vivo examinations of temperature-sensitive living cells. The Leica MATS (Microscope stage Automatic Thermocontrol System) Thermocontrol System with heatable stage made of optical glass ensures absolutely uniform temperatures over the entire stage surface, and reliably monitors and controls it. The temperature stability over a long span of time allows you to perform time-lapse experiments with precision, or to leave your work unattended for a while without worry.



High-performance HL RC™ transmitted-light stand for excellent contrast

In the undyed state, living cells are nearly transparent and impose the highest demands on the imaging performance of stereomicroscope and transmitted illumination. The high-performance HL RC™ transmitted-light base is the ideal supplement for the Leica MZ16 F to make these phase specimens visible with richness in contrast without artificial dyeing. The innovative Rottermann-Contrast™ is the new technology from Leica Microsystems for excellent display of transparent and semitransparent specimens in the positive, inverted and dynamic relief contrast. Illumination techniques other than the contrast method are also available. These include bright field transmitted light with high or low degree of diffusion, oblique transmitted light and single-side dark field.



Specialists for digital

New applications in biology, medicine and industry and the quickly growing need for qualified knowledge demand digital cameras with continuously higher resolution, higher speed and more convenience and extensive image processing software. The new Leica MZ16 F fluorescence stereomicroscope meets the best requirements for advanced analyses, scientific publications, international information exchange and presentations at universities, colleges and conventions. From the stereomicroscope to the digital camera including application software, Leica Microsystems offers you customized, future-oriented complete solutions for professional image acquisition, archiving, analysis, processing, presentation or printout. Our program features a series of professional high-end cameras for PC and Mac as well as image management and analysis software developed specifically for your fluorescence applications.

The digital FireWire monochrome camera system Leica DFC350 FX

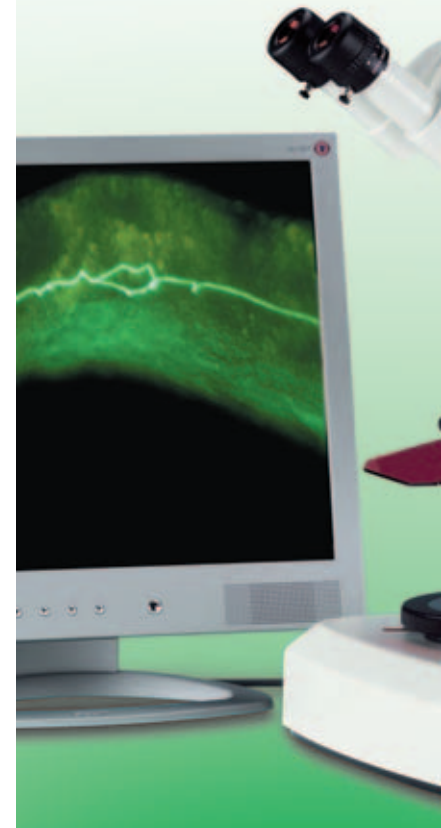
was developed specifically for demanding imaging methods in genetic research, biotechnology and medicine. The Leica DFC350 FX captures vital cells, sequence of motions and quickly bleaching fluorescence specimens or particles – even at the lowest light intensities. The high sensitivity in the red and nearly infrared range guarantees reliable results, particularly for GFP and other low-light applications. The highly sensitive 2/3" Progressive Scan Interline Sensor allows for rapidly illuminating bleaching fluorescence specimens and drastically to reduce the excitation light for sensitive living cells.

The digital FireWire color camera system DFC300 FX

meets the highest imaging demands in genetic research, biotechnology, and medicine. Thanks to the high sensitivity of the 2/3" Progressive Scan Interline Sensor, rapidly bleaching fluorescence specimens can be quickly photographed, and the fluorescence excitation light can be significantly reduced to protect sensitive living cells. The active cooling of the sensor elements by means of the Peltier element guarantees noise-free images even at lowest light intensities. The extremely high scan frequency ensures efficient documentation of moving 3D objects at full camera resolution.

The digital high-performance FireWire camera system Leica DFC480

furnishes images of highest resolution as well as color and detail fidelity – and is, therefore, best qualified for the highest demands in industry and science. Using innovative data reading modes allows for the free selection of the image transfer rate and scan method. For example, the frame readout mode uses the full camera resolution of 2,588×1,960 pixels with 12-bit signal processing. The quick readout of monochromatic images have made the high-resolution recording of fluorescence images a reality.



"The nematode is actually a simplified spinal cord and therefore, what we learn in this worm will have relevance to the development and regeneration of the human nervous system,"
Dr. Joseph Culotti, Senior Scientist at Mount Sinai Hospital's Samuel Lunenfeld Research Institute

image processing



The digital 12 megapixel high-performance FireWire camera system Leica DC500 is the professional camera of the superlative for analyses, measurements and processing of high-quality image data. The Leica DC500 allows for unlimited use for all contrasting, bright light and dark light procedures in microscopy and particularly for extremely low-light specimens and weak fluorescence. Four selectable imaging modes/resolutions provide perfect true-color image quality for all applications. The user interface with online image and numerous control and processing functions offers high user comfort and allows for an intuitive, troublefree operation.

High-quality data for analysis

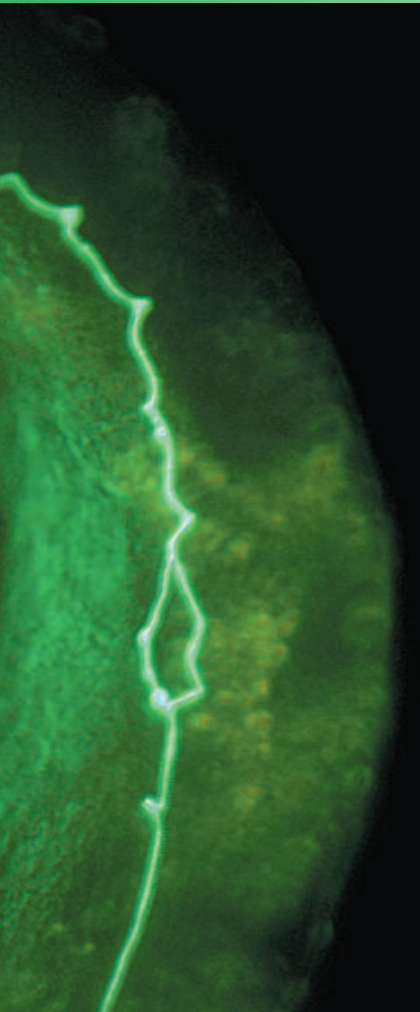
Leica digital cameras are compatible with the Leica IM1000 image management system and image analysis programs such as Leica QWin and FW4000. The "Image Overlay" software module for Leica IM1000 provides optimum results for multiple fluorescence photography in cell biology, genetics, virology (human and animal physiology), botany, and pharmacology. Ask your Leica consultant about our software solutions for interactive image archiving, processing and analysis.

The Leica FW4000 modular fluorescence imaging solution

is an extremely user-friendly system for all microscopic fluorescence applications. Leica FW4000 offers various software options for imaging, processing, measurement and documentation of microscopic fluorescence images. With its modular design, the Leica FW4000 is not only universally applicable, but can also be configured for special applications.

The professional image management system Leica IM1000 Image Manager

meets the highest demands on professional, customized solutions for managing digital data. Leica IM1000 is a modular image management package for image acquisition, processing, measurement and output as well as for exchange and storage of data. The clear user-configurable archive structure allows for imaging the complete workflow of a lab in the system, thereby ensuring a quick and reliable process control. Leica IM1000 offers a wide range of application modules, such as measuring, multifocus, image correlation, time lapse, image superimposition, presentation, and much more. Thanks to its modular concept, the Leica IM1000 can be tailored to tasks and budgets.



Leica MZ16 F – Technical data, performance characteristics

Optics carrier																					
Microscope type	Fluorescence stereomicroscope with apochromatic optics system, patented third TripleBeam® beam path, patented FLUOIII® fluorescence filter system and manual functions																				
Optics system	100% apochromatic, CMO (Common Main Objective) design with two parallel observation beam paths plus one third beam path for fluorescence, lead-free																				
Specific surface resistance (housing)	2×10 ¹¹ ohm/square, discharge time <2 seconds of 1,000 V to 100 V, antistatic																				
Functions	Zoom, filter changer, UV shutter, double-iris diaphragm																				
Double-iris diaphragm	Built-in																				
Fluorescence system																					
Illumination beam path TripleBeam®, patented	2 observation / 1 separate illumination beam path for intensive fluorescence illumination, coupling to the zoom optics																				
Filter changer system FLUOIII®, patented	Horizontally integrated quick changer for 4 filter sets, insert for individual filter, on/off switchable UV shutter																				
Fluorescence filter	Excitation and suppression filters in one filter holder																				
Filter sets	GFP, GFP Plus, GFP Plant, UV, Violet, Blue, Green, CFP, YFP, TXR, DSR, CY3, CY5, filter holder for empty filter positions for protection against UV radiation Special filters available upon request																				
Light source	100 W high-intensity mercury burner lamp, chromatically corrected collector, focusable, centerable lamp mount																				
Safety measures	UV protection screen, UV suppression filter, UV shutter, stray-light protection for lamp housing, filter holder for empty filter positions																				
Optical data																					
Zoom	16:1 apochromatic																				
Switchable zoom positions for repetitive tasks	At 0.71 1 1.6 2 2.5 3.2 4 5 6.3 8 10 11.5																				
Data	With planapochromatic objective 1×/eyepieces 10×: <table border="0"> <tr> <td>– Zoom range</td> <td>7.1× – 115×</td> <td>– Max. magnification</td> <td>920×</td> </tr> <tr> <td>– Resolution</td> <td>420 Lp/mm</td> <td>– Max. resolution</td> <td>840 Lp/mm</td> </tr> <tr> <td>– Numeric aperture</td> <td>0.14</td> <td>– Finest visible structure width</td> <td>0.6 micron</td> </tr> <tr> <td>– Field of view</td> <td>∅ 29.6mm – 1.8mm</td> <td>– Max. numeric aperture</td> <td>0.28</td> </tr> <tr> <td>– Working distance</td> <td>55mm</td> <td>– Max. field of view</td> <td>∅ 59mm</td> </tr> </table>	– Zoom range	7.1× – 115×	– Max. magnification	920×	– Resolution	420 Lp/mm	– Max. resolution	840 Lp/mm	– Numeric aperture	0.14	– Finest visible structure width	0.6 micron	– Field of view	∅ 29.6mm – 1.8mm	– Max. numeric aperture	0.28	– Working distance	55mm	– Max. field of view	∅ 59mm
– Zoom range	7.1× – 115×	– Max. magnification	920×																		
– Resolution	420 Lp/mm	– Max. resolution	840 Lp/mm																		
– Numeric aperture	0.14	– Finest visible structure width	0.6 micron																		
– Field of view	∅ 29.6mm – 1.8mm	– Max. numeric aperture	0.28																		
– Working distance	55mm	– Max. field of view	∅ 59mm																		
Accessories																					
Objectives	– Planapo 1× (NA = 0.141), 2× (NA = 0.282), 1.6×, 0.63× – Plan 1×, 0.5×, 0.8× with long focal length, lead-free																				
Leica FluoCombi III™	– Switchable between 3D observation with 1× plan or planapo objective and HR planapo objective 5×/0.5 LWD, FAA 19mm – Resolution: 1500 Lp/mm, visible structure with 0.3 µm – Magnification: 460× with 10× eyepieces / 736× with 16× eyepieces																				
Binocular tube, ergonomics	Apochromatic ErgoTube® 10° – 50° with synchronous interpupillary distance adjustment																				
Ergonomic wide-field eyepieces for users wearing glasses	– 10×/21, 16×/14, 25×/9.5, 40×/6, distortion-free – plug-on eyecups for protection for infections – large field number																				
Transmitted-light base	HL RC™ high-performance bright field with innovative contrast method																				
Motorized focus	Control via hand switch, foot switch or PC																				
Stages	Leica MATS heating stage thermocontrol system, gliding stage																				
Video system	Leica IC A, integrated																				
Photography	– Digital camera systems for fluorescence DFC300 FX, DFC350 FX, DFC480, DC500 – Automatic camera Leica MPS60 with data back																				
Software	For image grabbing, archiving, processing and analysis: Leica Image Manager with Image Overlay and Multifocus modules, FW4000, QWin																				

Detailed technical specifications and data can be found in the brochure M1-116-9 and on our homepage: www.stereomicroscopy.com

Leica Microsystems (Switzerland) Ltd.
Stereo & Macroscopic Systems
CH-9435 Heerbrugg

Telephone +41 71 726 33 33
Fax +41 71 726 33 99
www.leica-microsystems.com
www.stereomicroscopy.com

Leica
MICROSYSTEMS