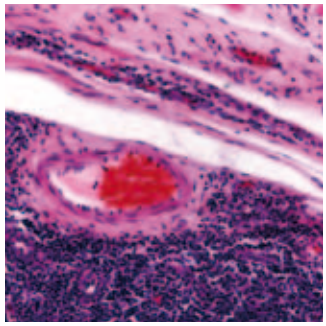
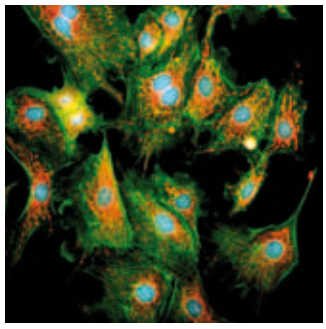
Living up to Life

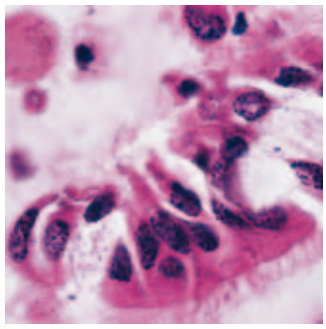
Leica
MICROSYSTEMS

Leica DM4000 B LED

Easy Imaging in a Brilliant Light!
Leica DigitalMicroscope with LED Illumination
for Biomedical Applications







Leica DM4000 B LED for BioMedical Research

Thanks to intelligent automation, the optimal parameters are automatically set in transmitted light and fluorescence, depending on the selected contrast method. The user's most recently used values are saved for each objective and contrasting method. The fully automated fluorescence axis with apochromatic fluorescence light path provides brilliant images with stunning contrast. Intelligent automation means: absolute reproducibility and excellent image quality.

STATUS DISPLAY

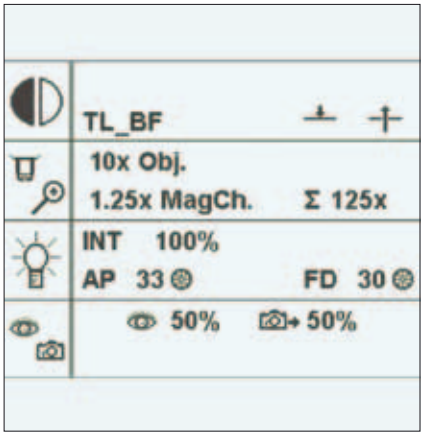
The large, logically arranged display shows all settings at a glance – a convenience that is unique in this microscope class.

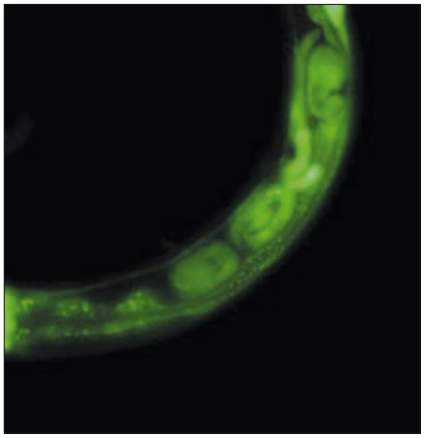
PROGRAMMABLE FUNCTION KEYS

Assign easily any microscope functions to the six function keys, located behind the focus knobs – for customized, ergonomical operation of the microscope.

FLUORESCENCE INTENSITY MANAGER

Leica Microsystems' unique patented Fluorescence Intensity Manager (FIM) enables fast, precise, and reproducible setting of fluorescent light intensity. Leica's FIM eliminates photo-bleaching by instantly restoring your optimal settings.

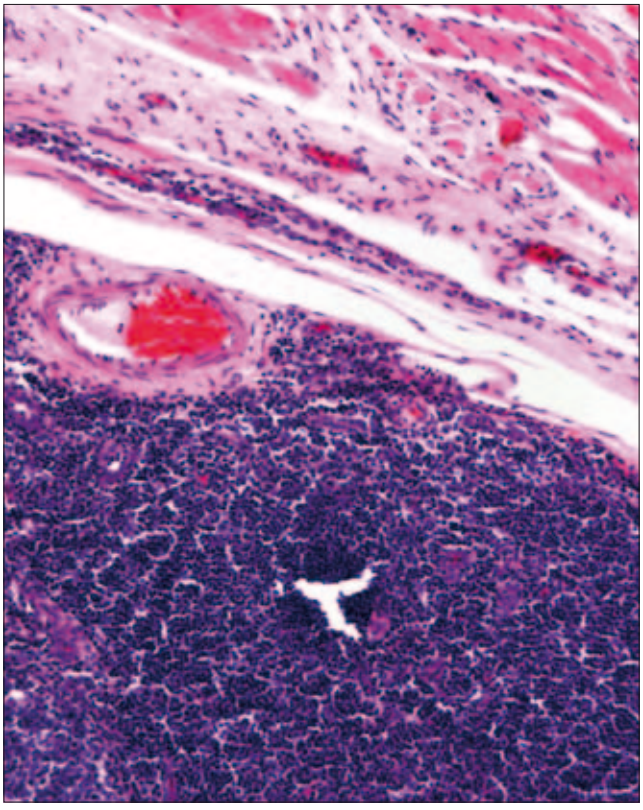




Superior Image Quality with LED Illumination

The dedicated LED transmitted light illumination solution is perfectly integrated in the microscope automation and matched to all microscopy applications. LED illumination provides constant color temperature at all intensity levels and thus enables reliable results. The LED's high light density and color reproduction provides brilliant images with a clear differentiation of the colors in the sample without heat buildup. With at least 50,000 hours lifetime, the LED illumination is very cost effective, as frequent bulb exchanges are no longer necessary.

- Constant-color temperature
- Ultra-bright LED illumination
- For all transmitted light contrasting methods
- Cost effective, environmentally friendly and efficient



Leica DM4000 B LED for Clinical Laboratories

The Illumination Manager automatically sets the optimum aperture diaphragm, field diaphragm, and light intensity when the magnification is changed. This provides fast, reliable, comparable, and reproducible results and at the same time prevents eye strain and repetitive movements for extended work sessions. The Leica DM4000 B LED is perfectly suited for clinical applications, e.g. pathology applications with commonly used HE stained slides. Its special transmitted light modes may be adjusted according to applications or users' preferences.

OPTIMAL LIGHTING

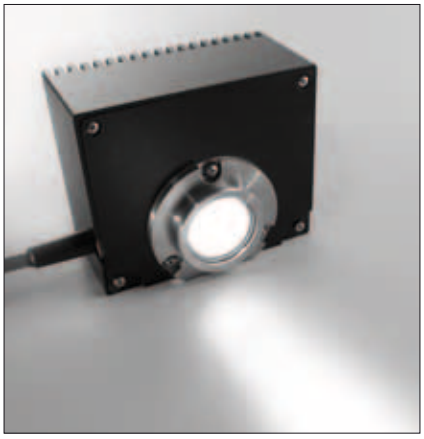
The LED transmitted light illumination provides constant color temperature at all light intensity levels, clear differentiation of colors and is easy on the eyes - for reliable results and less fatiguing work.

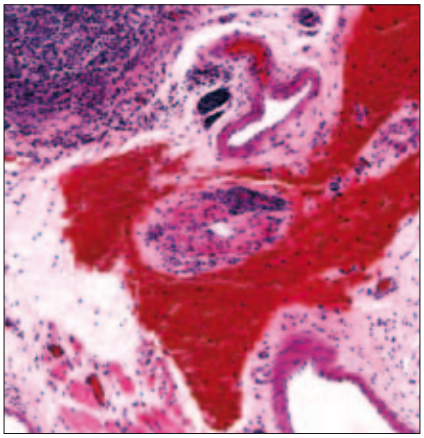
CONVENIENCE

The automated condenser head automatically swings in and out, depending on the objective in use. There is no need for manual action.

EFFICIENCY THROUGH ERGONOMICS

The innovative design does not only exceed the latest technical standards, but also meets the highest standards of ergonomic design – to make work easier, less fatiguing, and more efficient.





Excellent Results with High Ease of Use

The Leica DM4000 B LED is offered with a fully automated transmitted light axis for common contrast methods (brightfield, darkfield, phase contrast and polarization contrast) as well as with a fully automated fluorescence axis with a 5-position filter cube turret. The unique Leica Fluorescence Intensity Manager (FIM) allows fast, accurate and reproducible adjustment of fluorescence lighting. Changing contrast method is made easy with the Leica Contrast Manager – the appropriate adjustments are set automatically. A manual 6- or 7-position objective turret with absolute coding provides fast adjustment of optimal settings. As a TÜV-certified product*, the Leica DM4000 B LED stands for approved safety and quality.

*Leica DM4000 B LED was tested according to the relevant safety requirements by TÜV SÜD America Inc. and bears the TÜV-certification mark shown below. TÜV SÜD America Inc. is a globally recognized testing, inspection and certification organization offering the highest quality services for a range of industries worldwide.

Certification Mark:

www.leica-microsystems.com

Leica
MICROSYSTEMS

Integrated Imaging System Solutions

DIGITAL CAMERA SYSTEM LEICA DFC

Leica Microsystems' full line of color cameras and cameras for fluorescence applications offers a solution for any requirement between highest resolution and quick live image.

LEICA APPLICATION SUITE LAS

Fully integrates your Leica DM4000 B LED microscope and digital camera into an optimized system when combined with a PC for the visualization, storage and documentation of microscope images. Extension modules are available for a wide range of applications.

FOR ADVANCED FLUORESCENCE APPLICATIONS

The Leica AF6000 advanced fluorescence imaging systems are ideal for very fast, multidimensional fluorescence scans and processing, including live cell time-lapse experiments, multi-positioning and deconvolution.

Order no.: English 914750 ·