Living up to Life

Leica MICROSYSTEMS

Leica DMi1

Designed for Cell
and Tissue Culture

JUST RIGHT –
SMART CHOICE

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ciencia e innovación

Design by
Christophe Apotheloz

Leica DMi1 – The Intelligent Solution

QUICK CHANGE FROM 40 TO 50 OR 80 MILLIMETERS WORKING DISTANCE

A wide range of working distances makes the Leica DMi1 the perfect partner for your live cell laboratory. Use the S40 condenser for optimal resolution with slides, petri dishes, multi-well dishes, and most types of flasks: The S40 provides an extra 10 mm of free space by simply moving it up.

When working with taller flasks, simply exchange the S40 for an S80 condenser with a few steps. There is no need to remove the whole illumination arm.

10X TO 20X TO 40X PHASE CONTRAST WITH ONE HAND MOVE

The Leica DMi1 is easy to use for phase contrast observation. With Leica Microsystem's new 40x PH1 objective you can switch from 10x to 20x to 40x phase contrast by simply swiveling the nosepiece. There is no need to change the light ring in the slider – the PH1 light ring matches all three objectives!

ALL-IN-ONE VISUALIZATION AND DATA STORAGE

The Leica DMi1 camera version is an all-in-one solution for image capturing and cell culture documentation. You can choose between 2.5 or 5.0 megapixels resolution.

The camera is mounted at the back of the stand. No additional trinocular tube is needed, and you will have a clear view and easy access to the working area.

Capture images or even videos with the remote control. Store data directly on an SD card without the need for a computer. Connect any HDMI monitor to the camera and discuss observations with colleagues or students. An HDMI port provides premium quality images on the screen.

To refine your image analysis with measurements and annotations, the core version of Leica Application Suite (LAS) software for PC is included with the system.

AUTO INTENSITY

A smart sensor integrated in the slider makes sure that the light intensity automatically adjusts between brightfield and phase contrast. This feature protects the eyes, saves time, and adds comfort for the user.

COST SAVING, COLOR SAFE LED ILLUMINATION

All Leica DMi1 microscopes feature 5W LED illumination for constant color temperature through all stages of intensity.

The cool LED light provides a perfect climate for delicate live specimens. There are no distortions of the device due to heat, which provides unchanged focus.

Moreover, LED lamps make great economic sense. LED technology and a two-hour auto-off-function reduce energy costs. Up to 20 years life cycle (40 working hrs / week) per lamp under regular conditions mean low maintenance costs and less downtime.

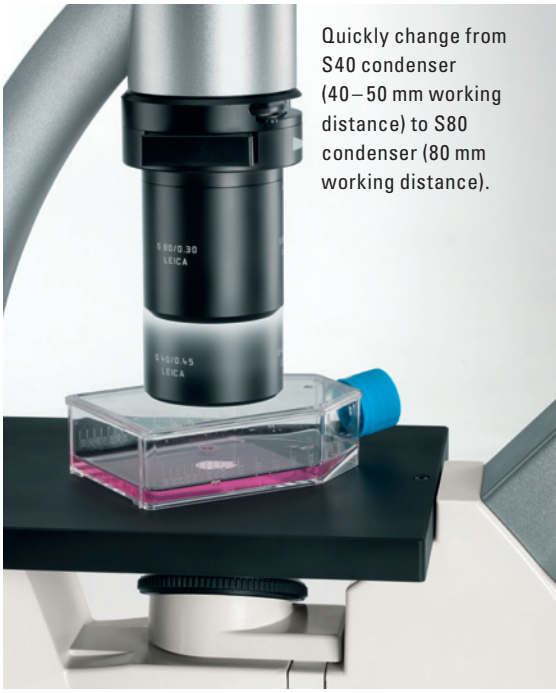
SOLID CONSTRUCTION, MODULAR EXPANSION

The Leica DMi1 is extremely stable due to its low center of gravity. The use of high-grade materials – almost exclusively metal – also helps avoid vibrations and resulting image blur. A scratch-resistant stage, high quality optical components, and a wide range of accessories promote a long product life with low maintenance costs.

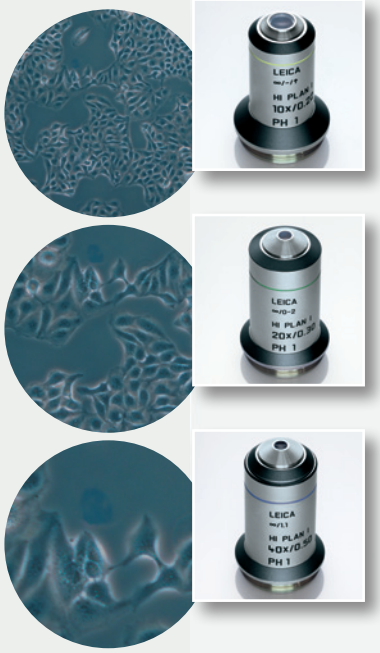
Connect any HDMI monitor to the camera and discuss your observations without need for a PC.

Use different holding frames for flasks, dishes, and multi-well plates.

Capture images or even videos with the 2.5 or 5.0 megapixel camera's remote control.



Quickly change from S40 condenser (40 – 50 mm working distance) to S80 condenser (80 mm working distance).



Switch from 10x to 20x to 40x phase contrast by simply swiveling the nosepiece, as the three objectives share the same light ring.

Just Right – Smart Choice

The Leica DMi1 tissue culture microscope is **just right** for your live cell lab.

- Image with phase contrast through all kinds of specimen holders
- Easily accommodate flasks, dishes, and multi-well plates – the two-condensers-option offers 40 – 50 mm or 80 mm working distance
- Add digital imaging for documentation purposes only if you need it

It's the **smart choice** for quick checks on cell viability.

- Save money with LED technology
- Save time with the automatic light adjustment between phase contrast and brightfield
- Obtain high-quality images from a durable, robust instrument made by Leica Microsystems

YOU GET WHAT YOU NEED …

The Leica DMi1 inverted microscope supports your specific work routine. Its operation is so intuitive, its handling so comfortable that you can fully concentrate on your work. Choose the functions you need, and, if necessary, you can easily add a variety of accessories that are important for your work.

The microscope's unique flexibility in accommodating an S40 condenser (40 – 50 mm working distance) or switching to an S80 condenser (80 mm working distance) is achieved by just a few hand moves. High-quality Leica objectives provide brilliant images.

The well-thought-out design and quality control elements enable you to work in comfort, even during long routines.

… AND INCREASE EFFICIENCY

Smart features make your workflow smooth and efficient, saving time and resources. Leica Microsystem's high-quality imaging technology provides precise results and reduces the risk of errors.

The microscope's LED illumination means low energy costs and minimal downtime. No need to replace lamps often, or wait for the right color temperature to develop.

The Leica DMi1 is the smart choice for excellent quality.

www.leica-microsystems.com

The statement by Ernst Leitz in 1907, "With the user, for the user," describes the fruitful collaboration with end users and driving force of innovation at Leica Microsystems. We have developed five brand values to live up to this tradition: Pioneering, High-end Quality, Team Spirit, Dedication to Science, and Continuous Improvement. For us, living up to these values means: Living up to Life.

LIFE SCIENCE DIVISION

The Leica Microsystems Life Science Division supports the imaging needs of the scientific community with advanced innovation and technical expertise for the visualization, measurement, and analysis of microstructures. Our strong focus on understanding scientific applications puts Leica Microsystems' customers at the leading edge of science.

YOUR LOCAL DEALER

LEICA DMi1

Shown here with S80 / 0.30 condenser and fixed eyepieces.

Dimensions (L x W x H):
535 x 248 x 543 mm

LEICA DMi1 WITH CAMERA

Shown here with camera, S40 / 0.45 condenser, exchangeable eyepieces, and object guide (accessory).

Dimensions (L x W x H):
576 x 248 x 485 mm

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