Quicker Answers, Faster Decisions

Imaging Solutions for Pharmaceutical Research & Development
DRUG DISCOVERY AND RESEARCH

Customizable solutions to accelerate your workflow

Leica’s modular, easy-to-use microscopes, cameras and software for Drug Discovery and Research accelerate your workflow by increasing reproducibility and minimizing the need for repeating assays which allows you to focus on moving your drug to market. Take a look at a sampling of our imaging solutions for Pharmaceutical Development.

Animal Modeling

Perform your animal surgery, dissection, or necropsy with precision and ease with Leica stereo microscopes that combine high resolution and great depth of field capable of visualizing faint signals. Then simplify and speed up your sample analysis tasks with powerful, modular compound microscope solutions that leverage the latest imaging technology including high-speed sCMOS cameras and LAS X software automation.

Genomics and Proteomics

Quickly and precisely extract pure large tumor and healthy tissue in one step with Leica’s laser microdissection systems. The Leica LMD 7 allows you to easily find, identify, and cut tissue regions of interest in any size or shape for fast, pure tissue extraction.

LAS X Application Suite

Simplify complex analysis tasks and save time by utilizing the new Leica Application Suite X software integrated with Leica microscopes. LAS X guides you step-by-step through the entire analysis workflow with an intuitive interface for acquisition of multidimensional experiments and powerful analysis wizards.
ROUTINE CELL NEEDS

Your Research Starts At The Cellular Level

From basic cell and tissue culture experiments to live cell confocal imaging, Leica’s suite of solutions offer the ease and flexibility required for your needs and budget today. These systems feature Leica Application Suite X software that guides you step-by-step to tackle complex analysis tasks while also providing maximum reproducibility through hardware and software automation.

Fluorescence Imaging and Beyond

The Leica DMI8 modular inverted microscope grows with your research and your lab. Adding fluorescence, automation, and third-party accessories makes it easy to configure a system that fits your needs today with the flexibility to upgrade in the future.

3D Live Cell Imaging

The Leica TCS SP8 confocal system is chosen by top researchers in their field for its high sensitivity and speed, giving you the flexibility to perform any live cell imaging experiments while maximizing specimen viability.

Cell Culture

Leica DMI1 cell culture microscope helps to increase efficiency of your live cell imaging workflow with easy-to-use operation, easy phase contrast and flexible condenser options for creating a solution that is right for your lab.

Leica DFC9000 sCMOS Camera

The Leica DFC9000 monochrome microscope camera with state-of-the-art sCMOS sensor technology for fluorescence imaging enables you to quickly and easily image your cells under near-native conditions. Featuring high-speed, high-sensitivity, and high-efficiency, you can acquire live time-lapse recordings with high signal-to-noise ratio while capturing even the faintest, previously undetectable fluorescence signals.
PRECLINICAL AND CLINICAL RESEARCH

Easy-to-use imaging solutions for quickly get your drug to market

Speed up your workflow with more efficient and shorter in vivo and in vitro inspections with Leica’s Preclinical and Clinical Research solutions.

In Vivo Studies

Perform delicate animal surgeries and necropsies with Leica stereo microscopes featuring multiple LED solutions/options that allow you to see more of your targeted region of interest. Next, easily document your pathology findings with intelligent automation of Leica’s upright microscopes with integrated software and camera.

In Vitro Studies

Increase efficiency of your in vitro inspections with Leica’s compound microscopes and confocal systems. Leica-quality optics capture the faintest fluorescence signal and accessible LAS X software guides you from the experiment through analysis. Comfortably or work strain-free supported by Leica’s ergonomic design.

OCT Imaging

Get real-time optical histology with Envisu OCT (optical coherence tomography) systems for Preclinical Eye Disease Research. Minimize the number of model organisms needed per study with contact-free imaging that reduces the need to sacrifice your animal.

The Leica DM4 B utilizes intelligent automation and integrated work flow based software to provide users an easy-to-use imaging system.