

Carestream Molecular Imaging Software 5.0 Read Me

Thank you for purchasing Carestream Molecular Imaging (Carestream MI Software). We are sure you'll be pleased with our easy to use, powerful image analysis software. As a leader in scientific imaging software, Molecular Imaging Systems continues to develop innovative, quality applications for scientists in thousands of laboratories throughout the world.

Designed to support the Carestream imaging systems, this flexible software can also analyze images that are acquired using any TWAIN scanner or device. In addition, it can open and analyze TIFF or JPEG images from a variety of other imaging systems, such as video systems and phosphor imagers. Once acquired, you can:

- Document and analyze images with floating point accuracy
- Prepare your results for publication and presentation
- Print images, analysis results, and annotations
- Maintain your image, results, and annotations as projects
- Manage your projects using a powerful database.

Carestream MI Software is supported on Windows and Macintosh operating systems and is driven through a series of navigation panels.

Molecular Imaging Systems, Carestream Health, Inc. is dedicated to providing cutting edge imaging products for scientific research applications. For more information on Carestream imaging products for scientific imaging applications, please visit us on the World Wide Web at <http://www.carestreamhealth.com/molecular>.

What's New in Carestream Molecular Imaging Software (Molecular Imaging Software 5.0 Users)

New Digital Camera Support:

- New camera support for the new IS4000 (Gray). The IS4000 (Gray) features a cooled 4 megapixel CCD camera and true 16-bit data capture with an all new redesigned integrated motorized/automated lens, filter wheel, and method of connectivity, Ethernet. The system delivers outstanding image quality and real time imaging speed specially designed for documenting electrophoresis gels, colorimetric blots, and plates. The IS4000 (Gray) can automate the process of capturing high quality fluorescent, luminescent, and colorimetric lab images-in samples formats such as gels (DNA/Coomassie/Silver stain), membranes, western blots and 96 well plats. This system also combines advanced unmixing of multiple fluorochromes with high resolution digital x-ray. The sophisticated software algorithms remove autofluorescence for improved signal-to-noise and detection sensitivity. The capabilities include white light, multiwavelength fluorescence, UV fluorescence, luminescence and X-ray imaging. (5.0.5)
- New camera support for In-Vivo Multispectral Imaging System. This new system combines advanced unmixing of multiple fluorochromes with high resolution digital x-ray. The sophisticated software algorithms remove autofluorescence for improved signal-to-noise and detection sensitivity. The capabilities include white light, multiwavelength fluorescence, UV fluorescence, luminescence and X-ray imaging.

New Graphics Interface:

- Carestream Molecular Imaging Software, formerly KODAK Molecular Imaging Software has adopted a new brand, look and feel.

Workflow Improvements:

- New Protocol option for Pro users chains together unlimited number of steps, automating image capture.
- New Application Preferences options reopen all images open from the last session of Carestream MI Software.

- Dual Intensity Scales available in annotations when images are overlaid.
- Addition of an Add Comment button to the Navigation Panel.

Region of Interest (ROI) Analysis Improvements:

- The Separate and Rotate ROI tool was added to the Manual ROIs Panel
- The Rotate ROI tool was added to the Auto ROIs Panel
- New export ROI's option to Microsoft Excel.
- New option applies an ROI template across all open images or documents within a folder.

Enhanced Calibration:

- Improved calculation for photometric conversion to $\mu\text{W}/\text{mm}^2$
- Excitation spectrum normalization (spectral flattening)
- New correction option for emission filter transmission efficiency
- New correction for illumination variation

New Export Options:

- Several new export options including 16-bit DICOM, 16 and 32-Bit Integer Raw, 32-bit floating point raw and XML Metadata file are now available

In addition, there are numerous other enhancements in file compatibility, image display, printing, ROIs and annotations that makes Carestream MI Software more reliable, intuitive and flexible.

To Install Carestream Molecular Imaging Software

1. Turn on the computer. Once your operating system has loaded, insert the CD into the CD drive.
2. Follow the instructions in Carestream MI Software User's manual. If you purchased Carestream MI Software as part of an imaging system, refer to the imaging system's User Guide for instructions. The software installs like most software programs. The installer will guide you through the installation process. The Installer alerts you if an error occurs during the installation process, and informs you if the installation was successful.

Having Problem, Contact Technical Support

If you experience any problems, please feel to contact your Carestream Molecular Imaging dealer or contact our US Technical Support center between the hours of 8:00 a.m. and 6:00 p.m. (Eastern Standard Time) Monday through Friday by:

- Calling in the US toll free, 877-747-HELP or (203) 786-5657
- e-mailing molecular-support@carestreamhealth.com
- faxing 203-786-5656__

When you contact technical support, please be prepared to provide:

- The serial number and version number of your software.
- The type of hardware and system software you are using.
- Describe the problem you are having and what you were doing when the problem began.
- The exact wording of any error messages, including any error numbers displayed.