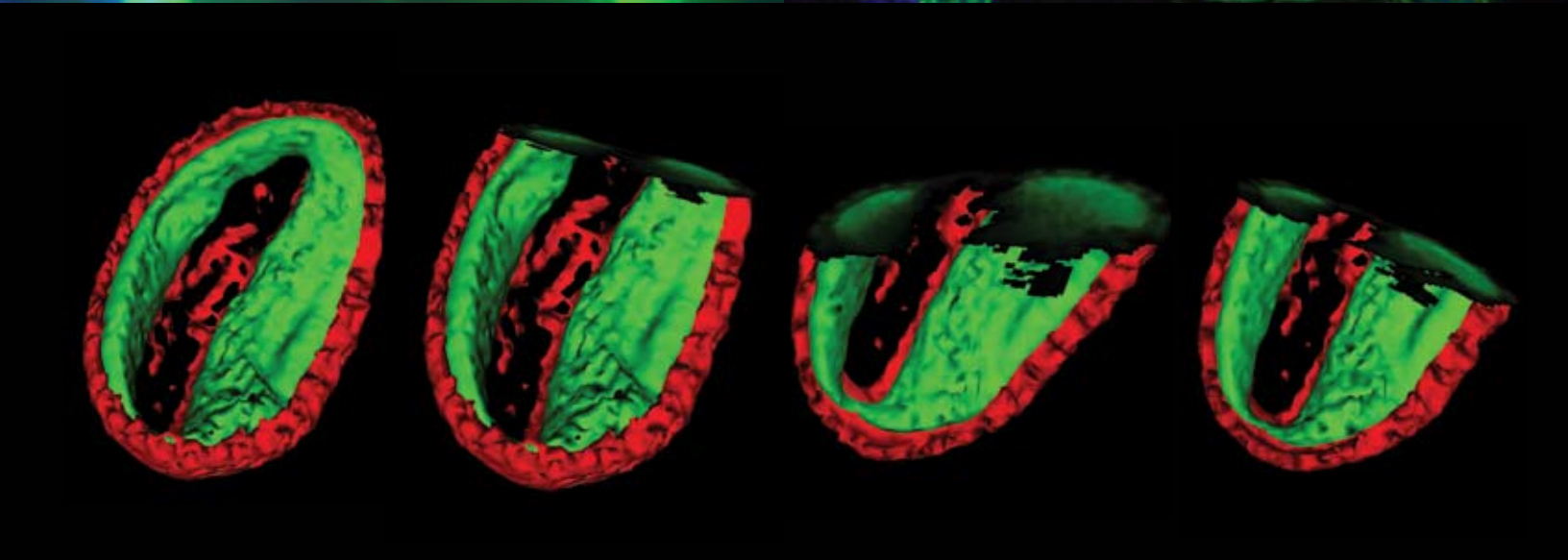
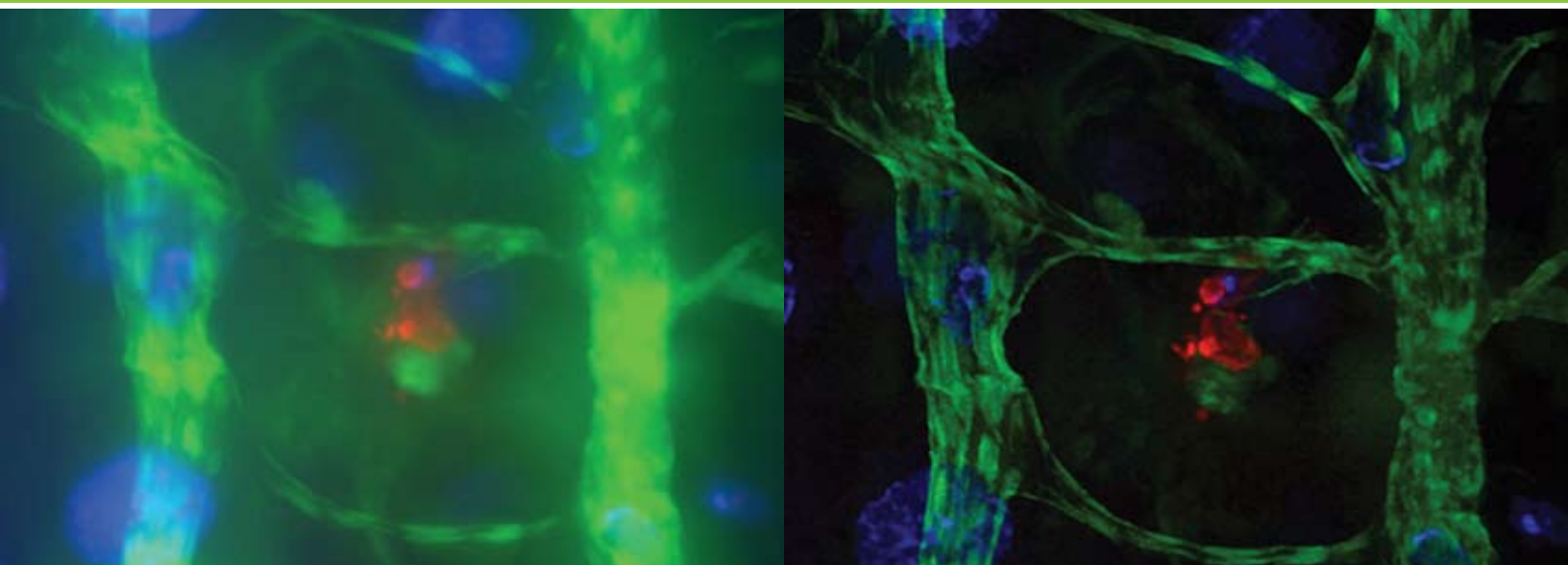


AutoDeblur® & AutoVisualize®



**Advanced Image Deconvolution
and 3D Visualization Software**

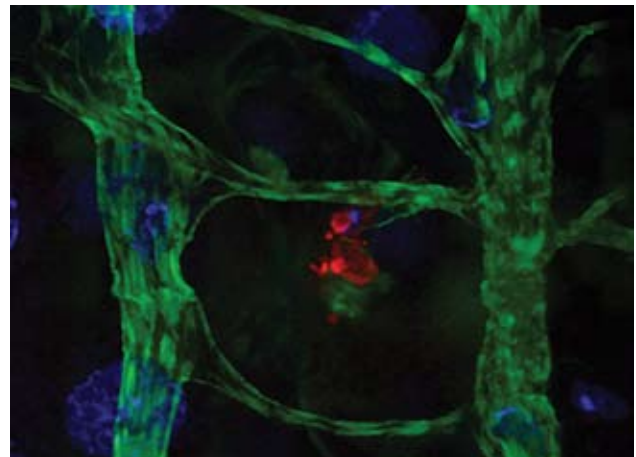
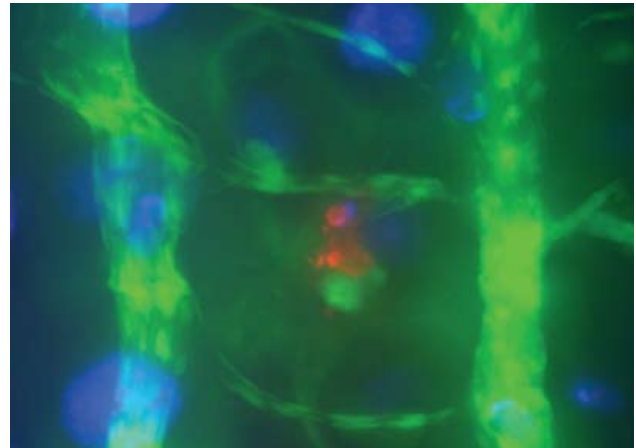
AutoDeblur[®]

Restore Your Datasets' Vital Details

AutoDeblur is the life science industry's leading image deconvolution software. Retrieve better data from your images using the most complete suite of 2D and 3D algorithms available, including the industry's only Blind Deconvolution Algorithm. Using the AutoQuant Algorithms technology, the advanced image processing tools in AutoDeblur reflect years of research, development and user feedback.

Unlike other image processing programs that tie up your computer, the multi-dimensional and multi-processing capabilities in AutoDeblur will allow you to start working on another dataset once processing has begun. You no longer need to process time-series data one by one. With AutoDeblur you can load and process your datasets all at once.

Let AutoDeblur show you what you've been missing in your images, because better data means better science.



Features

Extensive Algorithm Selection

Automatic Spherical Aberration Detection and Correction

Multi-threaded Application

Multi-channel Compatible

Data Correction Tools

Sequence Detector

Multi-timepoint Capability

Spacing Calculator

Benefits

Choose from an abundant menu of algorithms, tailored to suit your imaging needs. Includes 3D Blind, Non Blind, Inverse Filter, No/Nearest Neighbor, and Gold's Method.

Save time and guesswork with the Spherical Aberration, Detection and Correction tool.

Work on more than one task at a time.

Load and process a nearly infinite number of channels, not just red, green and blue. Assign each channel a color, wavelength or dye for a customizable view of your image data.

Correct for photobleaching, attenuation, optical density variability and many other imaging problems.

Easily load multi-channel data and time-series datasets.

Easily load and process time series and multidimensional data with the click of a button.

Calculate your image spacing for time saving and accurate image analysis.

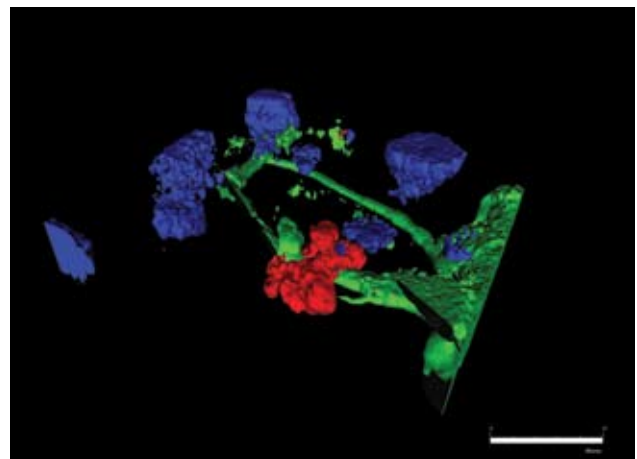
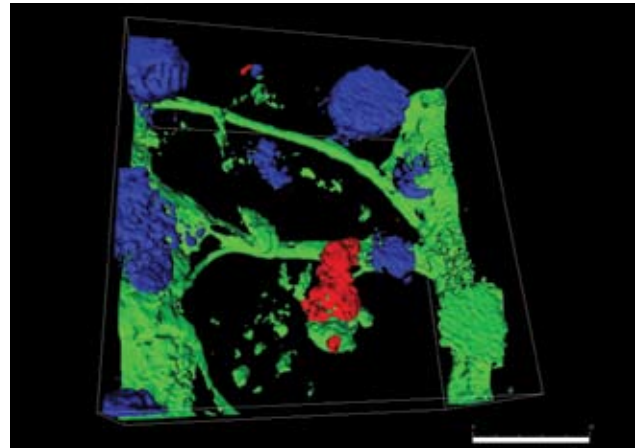
AutoVisualize®

Bring Your Multi-channel Data to Life

AutoVisualize will give you an exciting and in-depth understanding of your images. See complex datasets come to life with easy-to-use 3D visualization and manipulation tools.

View your time-series datasets through time and from multiple angles to locate important features. Navigate through your 3D datasets with orthogonal slices. Simultaneously view before and after 3D time-lapse volumes.

Create impressive AVI files of your 3D data rotating through time. Share these 3D movies with others through PowerPoint presentations or via the Internet. See your data in a new way with AutoVisualize 3D visualization software.



Features

Multi-timepoint Capability

Multi-viewer Capability

Multi-channel Compatible

Synchronizer

Movie Maker

Sequence Detector

Multiple Volume Projection Modes

Individual Channel Controls

Benefits

View and rotate both stationary and time-based 3D datasets.

Simultaneously view before and after 3D time-lapse volumes.

Load, view and control multiple channels to create vibrant and detailed volumes.

Scroll through slices of multiple datasets simultaneously. You can also synchronize and rotate multiple 3D time-series datasets, for a striking side-by-side comparison.

Create a movie of your volume rotation and save it as an AVI file.




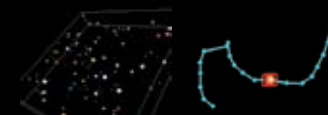
Easily load multi-channel data and time-series datasets.

Display volumes in Isosurface, Alpha Blending, Max, Min and Sum projections. Different channels can be displayed in different projections to highlight objects.

Change channel color, brightness/contrast, display range and gamma remix in real time.

Advanced Imaging Modules

Extend the Power of AutoDeblur & AutoVisualize

Ratiometrics Module		FRET Module	
Precise engineering for intercellular ionic imaging. 		User-friendly tools to study protein-to-protein interactions. 	
Features	Benefits	Features	Benefits
Easy-to-Use Ratiometrics Dialog	Simplify the process for generating and obtaining accurate results.	Multiple Algorithms	Work with a variety of methods including the popular Gordon/Herman algorithms.
Concise Statistics	Use ROI's and threshold controls to obtain statistics about relative changes or concentration within datasets.	Maximum Likelihood Estimation FRET	Remove crosstalk and bleedthrough from FRET signal and achieve statistically accurate treatment of FRET data.
Image Alignment	Correct for registration or sample movement.	Channel-to-Channel Alignment	Align shifts between channels for more accurate analysis.
Image Smoothing and Spot Noise Removal	Reduce systemic noise within your source images and improve the accuracy of your results.	Background Subtraction	Eliminate background artifacts for more accurate results.
Multi-dimensional Imaging	Work with time-series data to perform ratio imaging over time.	AutoLoad	Remember filter set and dialog associations for easy and consistent reprocessing.
Colocalization Module		Counting & Tracking Module	
Analyze multi-channel data and identify overlapping fluorescent markers. 		Count objects and track them as they move through time. 	
Features	Benefits	Features	Benefits
Complete Graphical User Control	Interact with each step in the process for more accurate results.	Pre-processing Tools	Remove noise and improve object tracking accuracy.
Extensive Statistics	Work with multiple algorithms including Pearsons Correlation Coefficient and Manders Overlap Coefficient.	Interactive Data Display of Counted and Tracked Objects	Interact with counted and tracked objects.
Exportable Statistics	Export statistics into .csv format for further analysis.	Extensive Statistics	View, graph and analyze data for each object.
Vivid Colocalization Preview	View graphic depiction of colocalized areas.	Multi-dimensional Imaging	Process and analyze multi-channel and 3D time-series datasets.
Multiple Rendering	Work with both single slice and full volume depictions of colocalized areas.	Movie Maker	Create AVI movies showing object motion and track overlays.

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