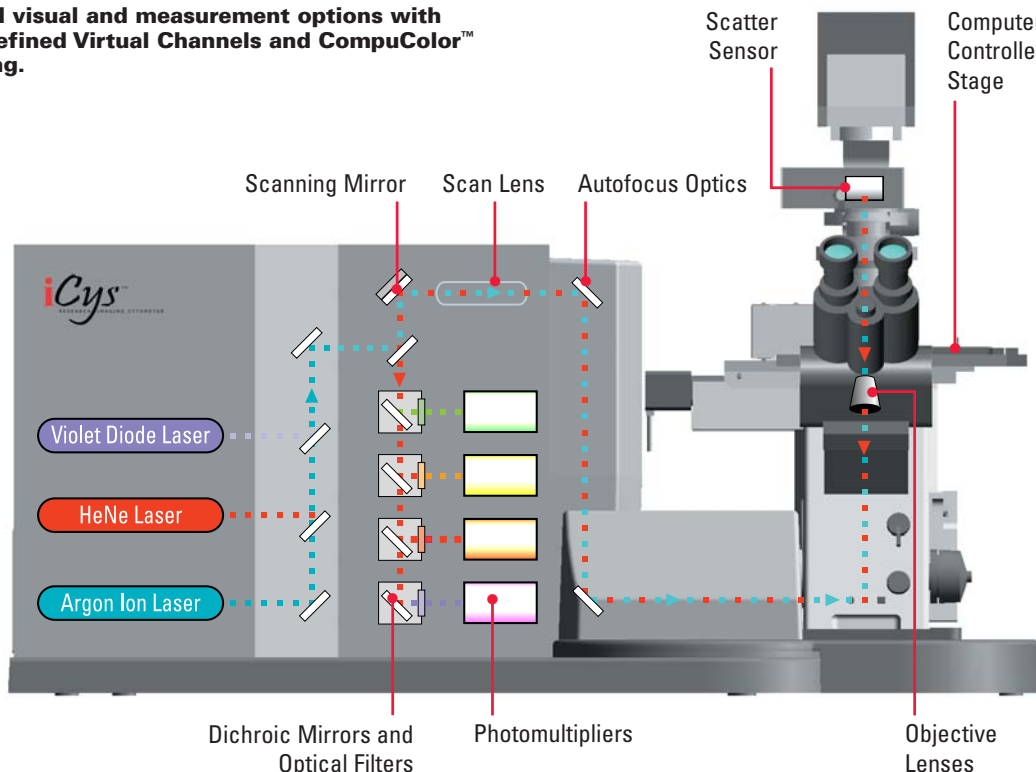




## Laser Scanning Cytometry in an inverted format with advanced microscopy options

- Simultaneously obtain multiple fluorescence channels with laser scatter or absorption information. Collect brightfield and laser-generated images from the same sample.
- Easily view specimens with on-the-fly galleries or relocate to individual events after acquisition.
- Extend visual and measurement options with user-defined Virtual Channels and CompuColor™ imaging.
- Quantify and visualize large areas of the sample with super-wide sampling and mosaic images.
- Interface with peripheral devices including cameras, micromanipulators, and cloning devices.



<b>Lasers</b>	Blue (488 nM) 20 mW Argon Ion *Red (633 nM) 5 mW Helium Neon *Violet (405 nM) 30 mW Diode
<b>Detectors</b>	2 to 4 photomultiplier tube fluorescence detectors with interchangeable filter blocks. Solid-state light scatter detector
<b>Emission detection options</b>	Blue, 445-485 nM Green, 515-545 nM Orange, 565-585 nM Red, 600-635 nM Crimson, 650-700 nM Near-infrared, 750-800 nM
<b>Data channels</b>	5 data channels per laser plus programmable virtual channels
<b>Microscope</b>	Olympus IX-71 microscope
<b>Autofocus option</b>	*Fast laser-based autofocus, independent of specimen fluorescence
<b>Visualization</b>	High-resolution laser scan imaging with CompuColor™. Full range of microscopy visualization options
<b>Specimen carriers</b>	Glass or plastic microtiter plates (6-well to 384-well formats), microscope slides, Petri dishes, chamber slides
<b>Computer</b>	Pentium® 4 Processor, 1 GB RAM, 10/100 NIC, 120 GB hard drive, LCD monitor, Windows® XP Professional Operating System <i>iCys™ Cytometric Analysis Software</i> <i>iBrowser™ Data Analysis Software</i>
	*Optional

**Laser light.** Avoid direct eye contact. Class 3R laser product; according to IEC 60825: 1993 +A1 +A2. 488nM 3.0mW, 633nM 0.20mW, 403nM 1.5mW

# iCys™

Research Imaging Cytometer

Automated image cytometry for: ■ DNA AND THE CELL CYCLE ■ CONSTITUENT TRANSLOCATIONS  
 ■ LIVE CELL ANALYSIS ■ TISSUE ■ CFP/YFP FRET ...and more

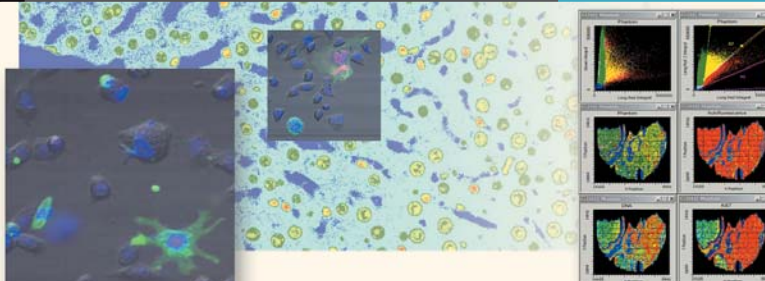


## High-content quantification and maximum visualization options

The iCys™ Research Imaging Cytometer opens new avenues of experimental design for investigations into cellular and tissue-based processes. The ideal platform for generating precision high-content data on a broad range of specimen types, iCys offers flexibility and a powerful analytical feature set.

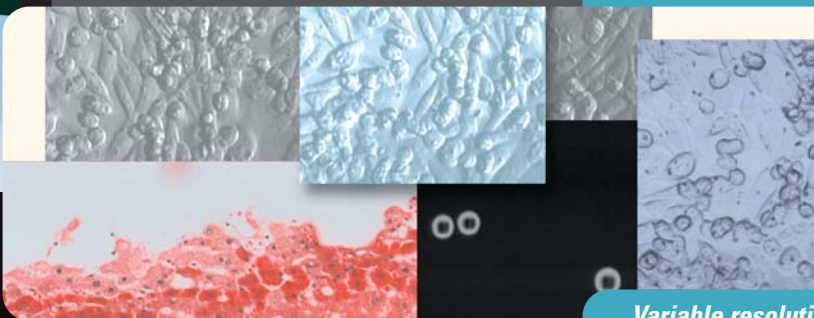
iCys is the versatile analysis platform that combines the precise quantification of laser-based cytometry, the high content of automated image analysis, and the visualization and sample manipulation benefits of inverted microscopy.

## Advanced laser scanning cytometry features



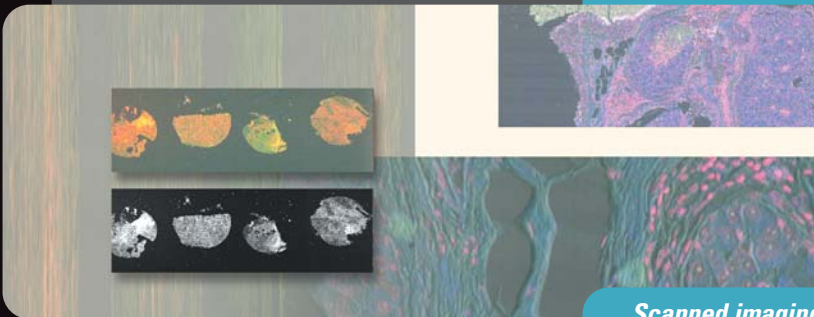
Combine the technological advances of LSC and iCys with the flexibility of an inverted microscope. Perform high-content analysis of multiple sample types.

## Computer-controlled laser scatter with multiple modes



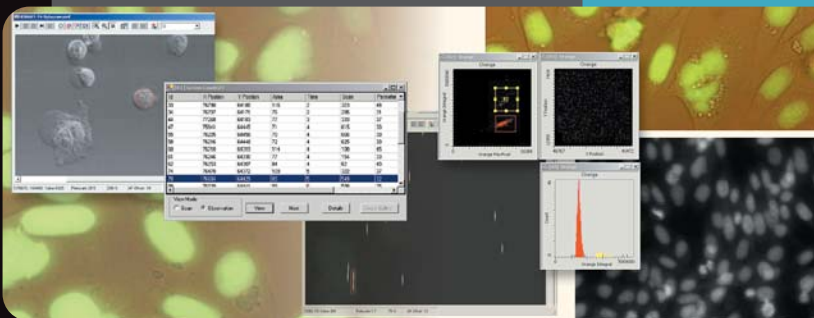
Visualize the three-dimensional morphology of the specimen with protocol-driven settings for variable angle laser scatter and/or absorbance detection.

## Variable resolution scanning



Scan larger areas for higher throughput analysis. Analyze with the spatial resolution best suited to the experiment, without compromising instrument sensitivity.

## Scanned imaging combined with live visualization



Augment high-content data with imaging from stored laser scan files and real time brightfield or epi-fluorescence illumination.