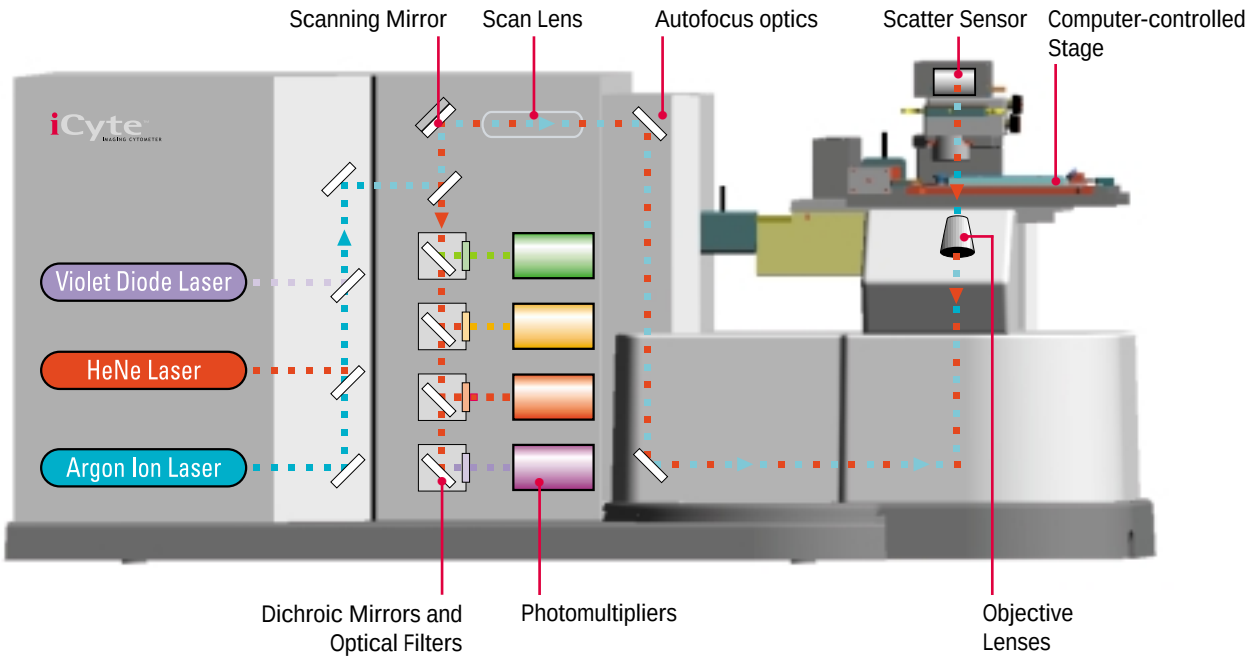
iCyte™
Automated Imaging Cytometer

SPECIFICATIONS

Laser Scanning Cytometry in an inverted format

- **Morphological and quantitative features for very high content cell-based information.**
- **Multiple lasers and photomultiplier detectors for flexible dye combinations.**
- **Microtiter plates and microscope slide analysis for unsurpassed specimen flexibility.**
- **Open assay development and data reporting platforms to accommodate rapidly changing discovery needs.**



Lasers	Blue (488 nM) 20 mW Argon Ion Red (633 nM) 5 mW Helium Neon Violet (400 nM) 30 mW Diode
Detectors	4 photomultiplier tube fluorescence detectors with interchangeable filter blocks. Solid state light scatter detector.
Emission detection options	Blue, 460-485 nM Green, 515-545 nM Orange, 565-585 nM Crimson, 650-700 nM Near-infrared, 750-800 nM
Data channels	5 data channels per laser plus programmable virtual channels.
Microscope platform	Olympus IX-series microscope base. 10x, 20x, 40x objectives. Autostage with 0.5 micron resolution.
Autofocus	Fast autofocus optimized for glass and plastic microtiter plates, microscope slides.
Visualization	High-resolution laser scan imaging with CompuColor™ and patented laser scatter brightfield imaging.
Specimen carriers	Glass or plastic microtiter plates, multiple formats; microscope slides.
Computer	Pentium III, 512 MB RAM, 10/100 NIC, 21" monitor, Windows 2000 OS. *iCyte™ Cytometric Analysis Software.* *iBrowser™ Plate Analysis Software.*

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

CompuCyte

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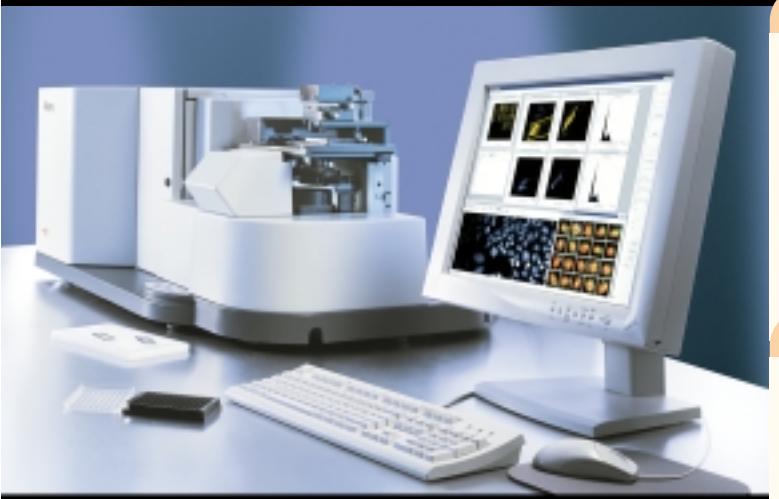
For Research Use Only. Not for use in diagnostic procedures.

iCyte™
Automated Imaging Cytometer

Automated image cytometry for:

- DNA AND THE CELL CYCLE
- CONSTITUTENT TRANSLOCATIONS
- LIVE CELL ANALYSIS
- CELL DEATH AND APOPTOSIS

...and more



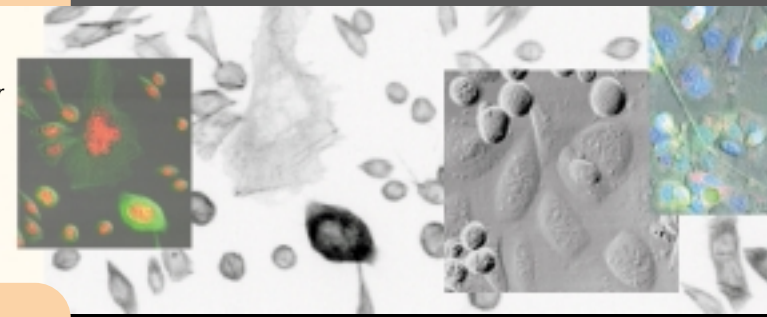
Laser Scanning Cytometry in an inverted format

The iCyte™ Imaging Cytometer has the flexibility you need to investigate the most complex cellular functions, including precise quantification of DNA and cell cycle information, and localization of multiple cell constituents.

CompuCyte's new generation of laser scanning cytometers gives you all the benefits of stoichiometry, morphometry, and subcellular event measurement, optimized for analysis on microtiter plates and microscope slides.

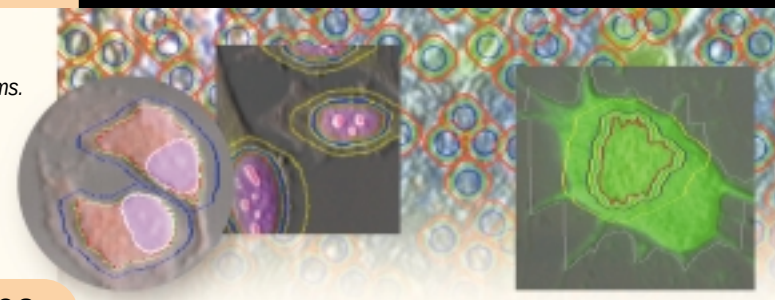
Obtain images

Generate images with patented brightfield laser scatter showing morphological effects, combined with multicolor fluorescence from additional markers.



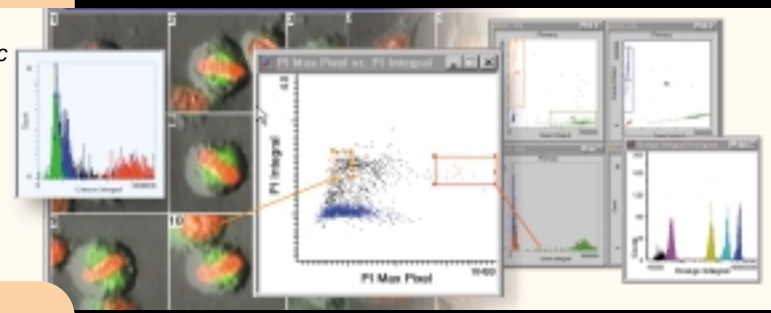
Segment events

Automatically segment the TOTAL cell plus subcellular compartments with multiple image processing algorithms.



Correlate measured features

Explore the complex relationships between morphometric and fluorescence measurements on thousands of cells per specimen. Discriminate subpopulations based on correlated data.



Analyze results

Automate plate analysis with CompuCyte iBrowser™ software or use our open-architecture data formats.