



iMIC FRET Microscope

System for Simultaneous Dual-Channel Imaging

Extended offering period:

April - December 2009

Valid for US only

Meets

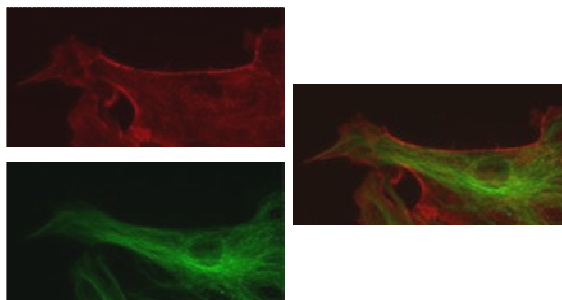
NIH Purchase Requirements

for Competitive Revision Application

NIH NOT-OD-09-058

For additional information

call +49 89 895 662-0



Main advantages of FRET microscopy:

- Study of molecular interactions beyond the theoretical resolution limit of optical microscopy
- In-vivo detection of protein-protein interactions
- Quantification of interactions in signal transduction, formation of protein complexes or membrane trafficking

Fully Integrated Solution for Dual-Channel Applications

- Integrated into the iMIC Digital Microscope
- Single beam-splitter design to separate emission light from the sample into two independent channels
- Software tools for quantitative analysis
- No time-lag between two emission channel acquisitions
- Simultaneous acquisition of two fluorescence images on a single CCD chip
- Pixel-accurate channel overlay due to unique optical design
- Expandable platform concept to adapt to changing experiment needs

Visualize & Quantify Fast Biochemical Reactions: In Real-Time & Dual-Color

- FRET Imaging
- Protein-protein interactions (two-molecule FRET)
- Calcium imaging
- Single-molecule fluorescence colocalization imaging



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Meet NIH Requirements

- http://grants.nih.gov/recovery/ic_supp.html
- www.till-photonics.com

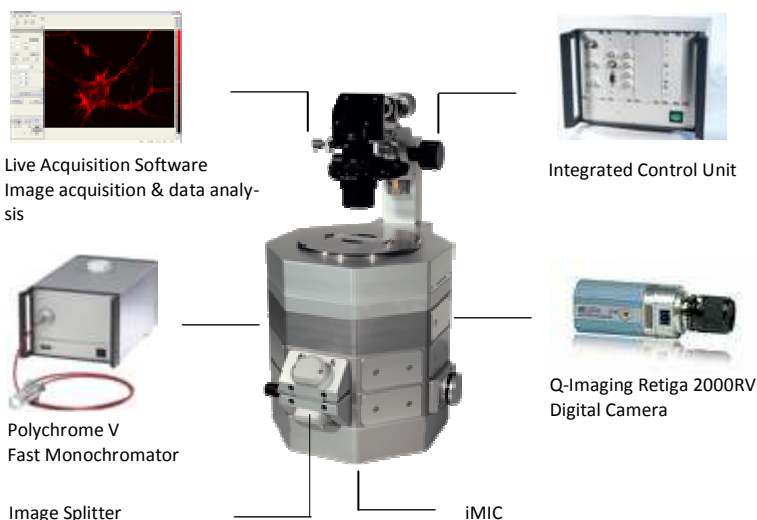
iMIC FRET Microscope

System for Simultaneous
Dual-Channel Imaging

Easily upgraded

- High-speed optical sectioning with structured illumination
- Laser-scanning based applications, e.g. FRAP/ Uncaging /Photoactivation
- User-defined combinations of applications in one experiment

The iMIC 2000 FRET System Solution Package



**Apply
now**

A Digital Dual-Channel Imaging Solution

- Integrated Dual Emission Extension for dual-channel imaging
- Software control for online overlay and adjustment of images
- Real-time imaging capability
- Virtually no moving parts
- Automatic switching of filter pairs

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Special Terms and Conditions Apply. Please contact your local Agilent Representative for more information.
**NIH Notice Note: NOT-OD-09-058



iMIC FRET Microscope

System for Simultaneous Dual-Channel Imaging

Options:

- Upgrade to advanced imaging methods: TIRF, laser-scanning based applications, structured illumination
- Protocol Editor
- 4D Browser
- EMCCD Camera
- AOTF based laser system

The iMIC FRET System Solution Package includes:

iMIC Digital Microscope

- Motorized coarse Z-focus and piezo fine Z-focus
- Motorized objective changer
- Motorized triple filter slider
- LED Trans-Illuminator with green LED
- Dichrotome Dual Channel Extension for dual-channel imaging
- Control unit

Objectives

- 10x Olympus plan super apochromat objective
- 40x Olympus UV apochromat objective (oil)

Filter Sets DAPI/FITC/TRITC, FURA-2 and Texas Red

Q-Imaging Retiga 2000 RV Digital Camera

- 1600 x 1200 pixel array, 12 bit digital color

Polychrome V Monochromator

- Wavelength switching speed of up to 400 nm/s

Imaging Workstation Optiplex 755MT

- Including 19" TFT flat screen display

Software Package TILL Live Acquisition

- LA 2D Browser
- LA FRET analysis module

Installation and start up support

- 1 day

free of charge

99,975.93 \$



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Special Terms and Conditions Apply. Please contact your local Agilent Representative for more information.
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